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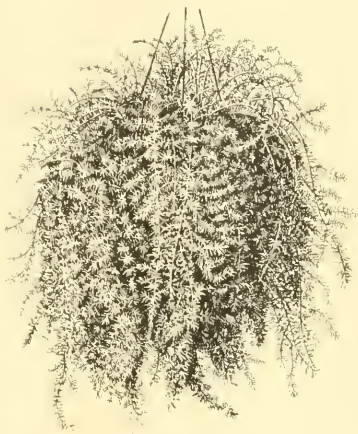
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THE AMERICAN FLORIST

A WEEKLY JOURNAL FOR THE TRADE

America is "the Prow of the Vessel; there may be more comfort A... but we are the first to touch Unknown Seas."

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The Thirteenth Annual Meeting

— OF THE —

SOCIETY OF AMERICAN FLORISTS

— WILL BE HELD AT —

PROVIDENCE, R. I.,

AUGUST 17, 18, 19 & 20, 1897.

Members may remit the annual dues ($3.00) to the secretary prior to the meeting, thus avoiding the crowd and relieving the officers on the opening day. Badge for 1897 will be sent by mail to those who remit in advance of the meeting.

Intending members can obtain any information wanted by addressing the secretary.

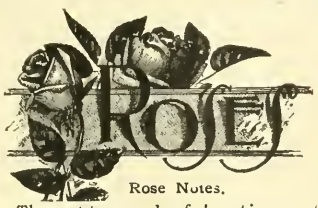
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LAST CALL for advs. for the Convention Number. Copy must reach us by August 11 to be in time.



Rose Notes.

The past two weeks of almost incessant rain will have been anything but beneficial to the stock recently planted out. The tendency of such weather is to cause a soft weak growth, lacking character and texture, very liable to be attacked by parasitic and insect pests, and so soft and succulent that the first hot sunny day will take all the stiffness out of them in an hour, and in all probability leave the foliage burnt and disfigured. Perhaps the best antidote will be a minimum amount of moisture in the air and at the root in the absence of sunshine, and prompt and frequent spraying when the heat and sun does finally strike them.

The advantages of a tight roof are very evident at this time; such a deluge of rain finds every opening, and where the glass is loose the leakage is frightful. Drip is very objectionable and injurious in a rose house, whatever varieties we may grow, as it sours the soil, spoils the roots and makes a bad mess generally; but it is almost death to varieties that are very susceptible to black spot. Anyone growing American Beauty under a leaky roof and managing to keep down black spot in such weather should congratulate themselves, but should at the same time set to work as soon as we have settled weather and make the roof tight; a similar spell of rainy weather later in the season might result in disaster. A mixture of linseed oil, white lead and fine white sand mixed just thin enough to pass through a putty bulb will make a very poor roof as tight as a drum, if time is taken to do the work well; the only objection to it is the difficulty there is in removing it in case of breakage and repairs.

The best time to fight black spot on Beauties is before it makes its appearance, or in other words, it is very much better and easier to keep clear of it than to cure it, and in most cases, provided we have a good light house, well ventilated, a tight roof and a well drained floor and we use good common sense in our treatment, we need not have much black spot at this season of the year. As a precautionary measure I would discontinue spraying in the afternoon, in fact I would water and syringe Beauties and all of that class early in the morning, so that the moisture may be dried up completely before nightfall. I do not know of any conditions more favorable for the development of the black spot or that will aggravate it once it has got a start more than wet soil and a close, humid atmosphere, especially at night. How many beginners and those who have the organ of caution abnormally developed make the mistake of coddling their roses and treating them as exotics, and perhaps some of us who are not beginners have been guilt of doing the same thing at times; if a little breeze should happen to stir the foliage some of us will make a rush for the ventilators, and should the high temperature of the evening tempt us to leave on more than the regulation "crack" of air and the hot night should change to a cool morning, we shall haste to make a careful scrutiny of the plants, and breathe more freely when we are satisfied that no harm has been done. It the rose is so tender and delicate that the least atmospheric change must be taken into account and its influence counteracted by a careful manipulation of the ventilators or our plants will become a prey to mildew, black spot or other ills, then the fault must be in our method of treatment, and not in the rose itself.

It has often struck me as a little peculiar that we should be liberal in the use of water, in providing manure and other fertilizers, in everything in fact that costs money, while we are stingy and niggardly in our allowance of that which costs us nothing, but which is after all one of the most valuable aids in the development of animal or plant life, fresh air. Instead of being careful to exclude as much as possible, believing it to be a dangerous thing, we should be anxious to give our plants the benefit of as much of it as we possibly can. I have had roses growing in houses that had ventilators on both sides and at the ridge, and have left them wide open day and night in warm weather all through the summer, and instead of being covered with mildew they were the cleanest and healthiest plants we had. Roses accustomed to having an abundance of ventilation will not be in danger of taking mildew whenever there is a slight change in the outdoor temperature, but a reversal of these conditions will be a sure precursor of mildew, and even on quite cool nights there is far less risk from having too much than too little air. I have seen roses grown on the exotic plan, and almost every other, but the most beautiful that I have ever seen, plants the very picture of health and vigor, with large deep colored foliage and hard, short jointed wood, just what we want to start the winter with, have invariably been grown under conditions approximating those of nature. I repeat for the benefit of the inexperienced, "do not be afraid of ventilating freely during the night."

Should any of the young plants show signs of red spider on the lower leaves this is the time to go for it in earnest; it is always unfortunate (or worse) to have to fight spider in the fall when the days

are short and the nights moist, and the use of a minimum amount of water is in order; so to avoid trouble later we must annihilate it now, and then keep it down for good.

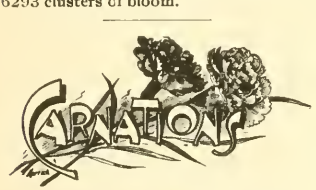
Frequent stirring of the surface of the soil in the benches should not be overlooked at this time; it helps to keep it in a sweet and wholesome state, is agreeable to the eye, and encourages root action.

Green fly will bear looking after; he works while we sleep, and before we know it has often done more damage than we care to tell. Fumigate as often as the weather will permit. ROBT. SIMPSON.

A Hedge of Crimson Rambler.

No new plant of recent introduction has attained such widespread popularity in a short time as has the Crimson Rambler rose. Its extraordinary vigor, its freedom and brilliancy of bloom, its hardiness and general adaptability give it a position in which it stands without a rival and everything claimed for it when introduced has been more than realized.

Its availability as a hedge plant has been demonstrated by Mr. Wm. Duckham, gardener on the estate of Mr. D. Willis James at Madison, N. J., where a hedge 135 feet long was planted in May, 1896, and in June, 1897, thirteen months after planting, presented the fine appearance shown in our photograph which was taken on June 20. The plants when set out were from pots, on own roots, and grown by J. N. May. The shoots are tied to a wire support, stretched between iron posts. About the time that the photograph was taken there were counted 6293 clusters of bloom.



The American Carnation Society.

EDITOR AMERICAN FLORIST: My attention has been called to an article in the *New England Florist* over the signature of Mr. Lothrop Wight. The officers of the American Carnation Society have no desire to prevent Mr. Wight from throwing mud in any direction he chooses, but as some of the erroneous statements he makes may tend to defeat the objects for which the August meeting is called it seems necessary that they be corrected.

The calling of a meeting at Providence is neither a direct nor an indirect violation of article six of the constitution nor of any other article of the constitution nor of any bylaw. Article six provides "The society shall hold an annual meeting" (not "one only" as Mr. Wight has it) and sets forth when and how it shall be held. There is not either in this article or any other, any prohibition, either expressed or implied, against the holding of other meetings.

The meeting at Providence can not take action which will be in any way binding on the society unless ratified at the regular annual meeting.

There will be many members of the society present at Providence and it is desired that they meet and carefully examine into the present state of affairs; those who are unable to be present are earnestly requested to forward to the secretary any suggestions they may desire as to changes in methods or management. These suggestions can then be tabulated and published and each member will go to the February meeting fully informed and matters can be disposed of quickly and intelligently.

In closing, permit me to say, that I believe the members of the American Carnation Society as a body, are, in intelligence, in honesty and in earnestness "the peers" of any trade organization in existence. They will gladly receive and adopt any suggestions of value but will not be influenced against their better judgment by any amount of vituperation and abuse. W. N. RUDD, President.

Growing Lilium Harrisii Bulbs.

How far south is it necessary to go to make a success of growing Lilium Harrisii? How long does it take to grow the bulbs to a salable size? R.

I would not like to answer the question as to how far south to go to make a success of growing Harrisii lilies, as it would be largely guess work, I having no data to work from. I do know that good bulbs have been grown in Texas in one year and I can see no reason why they could not be grown in any of the Gulf States as quickly as in Bermuda.

Babylon, N. Y. JAMES DEAN.

As to how far south one must go to grow Lilium Harrisii I do not know, but I believe anywhere north of Florida would not be a success, and even there it would be best to get below the frost line, as the natural time for L. Harrisii to grow is in the winter months. As to how long it takes to grow salable bulbs I can only give my experience under glass here. Scales or small bulblets sown in September will make 5 to 7-inch size by next July, that is, many of them, say about one-half, and if planted another year will make from 7 to 12 inches.

Phila., Pa. WM. K. HARRIS.

I do not know of any place in this country where Lilium Harrisii has been grown successfully. It might be done if grown far enough south to be below the frost line. The lily starts into growth early, and makes a succulent stem, which is killed by frost, so that it is liable to be badly damaged anywhere that frost reaches it. In Bermuda the bulbs are planted in August and make a continuous growth, ripening in June, so that they have the entire winter to grow, with no danger of frost. This is the reason why the bulb luxuriates and grows in Bermuda. If it could be grown here below the frost line there are no doubt places in this country where it could be done successfully, although I believe it has been tried in California, but without success.

There are two reasons why Bermuda excels all other places for the cultivation of this article—there is no frost to interfere with its growth, and the bulb ripens earlier than it could be made to ripen in any other locality, which makes it particularly advantageous for forcing purposes for florists. I know of no locality in this country where Harrisii can be grown where it will complete its growth as early as in Bermuda. I presume that the present tariff will stimulate its culture again, but when Harrisii was first introduced there was almost an equally high duty, which together with the high prices which then prevailed created quite an incentive to its culture here; and I believe it was attempted in a great many localities, but, so far as I know, none of these ventures proved a success. There are a great many drawbacks in Bermuda to the culture of this or any other crop. Lack of fertility of soil and difficulty of obtaining manure makes its culture very expensive.

Tarrytown, N. Y. F. R. PIERSON.

We think the above question the most important ever asked. It may be the means of saving $60,000 in gold annually to the nation. I would begin at Norfolk, but think the chances better in South Carolina and southward, keeping near the sea coast. I think from two to three years would be long enough. The new Secretary of Agriculture, Mr. Wilson, has the matter in hand, and intends to do all he can to promote the industry.

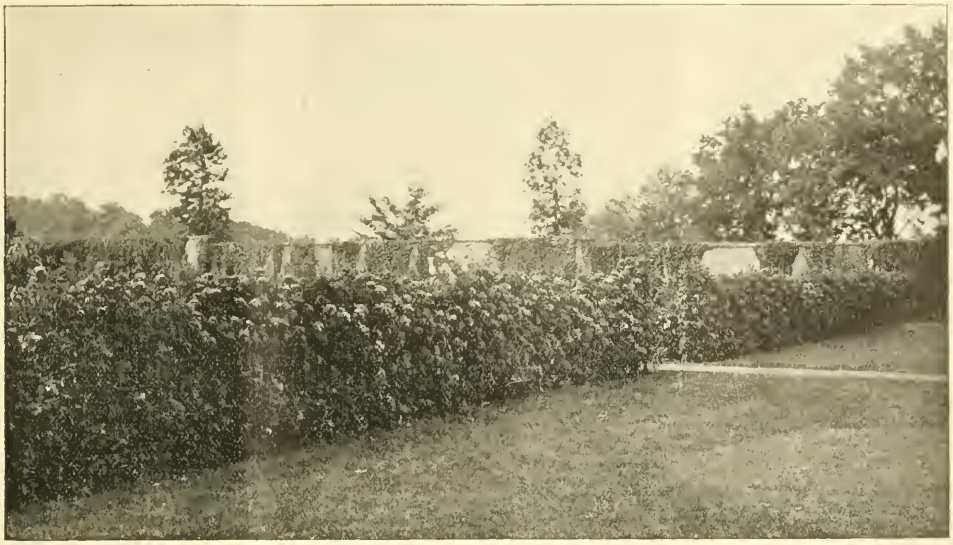
WM. R. SMITH.

Miscellaneous Seasonable Hints.

About now your chrysanthemums will want attention in tying up or supporting in one way or another. Short varieties such as Ivory, Lincoln or Maud Dean, that can be grown on a side bench, will do with a stake of some sort, but for taller varieties that are grown on a middle bench a stake is not the thing; it is expensive, unsightly and if over 4 feet long difficult to keep in position. The steel wire stake commonly used for roses is expensive unless you have them; then use them, but they need tying to a wire at top to keep them from falling about.

The cheapest and easiest plan for supporting 'mums that I have found is a copy of Mr. Harry Dale's plan of tying roses. Stretch a small wire across the bed near every row of plants, but keep it a little off the bed by tacking small strips of wood one inch thick on edge board of bench or bed. Stretch similar wires from bar to bar above the plants, or if more convenient (and it is better for tying) let the wires on top run lengthwise of the house, a wire above every row. From bottom to top at every plant run a coarse cheap string. They are put on in no time; a man on the path fastening the string to the bench wire, another man on the bench to tie and cut off string at top, will put up several thousand strings a day. This does not make a rigid fastening like a cane stake, but it is none the worse for that, and as long as the string is there your stems will be straight, providing you tie them up as they grow. In removing the plants after crop is cut you have no stakes to bother with; a cut at top and bottom removes the whole business. Most likely your crop of 'mums will be followed by lilies and the bottom wire can be taken off and if thought a saving can be stored away for future use; the top wire will not be in your way in the least, and can remain there for another year.

It will soon be time to make up your mind how many shoots you will allow to each plant, and thin out accordingly. If first-class flowers are wanted one stem and flower is what you want. If good but moderate sized flowers are what your trade demands, two and in some varieties three stems to a plant will do, but don't attempt to grow two flowers on one stem unless you want sprays, and I have not seen any demand for them of late. If there is any shade on your houses left over from your plant trade get it off at once. Chrysanthemums want no shade after they leave the cutting bench. This season has been very peculiar. Two weeks ago weather of the Sahara, when to advise careful watering would seem folly; this past two weeks incessant rain



HEDGE OF CRIMSON RAMBLER ROSE.

and no drying out; so be careful of water just now until your plants get a strong growth on them. We have been little bothered with either the green or black aphis so far, but once a week syringe the plants with the rose leaf extract of tobacco at a strength of fifty to one.

There is very little to propagate just now in ordinary greenhouse stock. If you sold out of coleus or any varieties get some cuttings from outside, see that they are free of mealy bug and start them going. A few dozen plants in 3-inch pots in October will do for stock and stand a low temperature much better than a cutting just started, and that is a time that we are liable to have a cool night temperature in our plant houses, sometimes from neglect in starting fires and sometimes to save a little coal.

The best way to winter over the most valuable of the alternantheras, paronychioides major, the bright red, is to take the cuttings from the flower garden now, fill flats of convenient size with two inches of light sandy loam, and into that put the cuttings thickly. They will root like chickweed now and before winter will be sturdy little plants and will survive, if kept dry, in any moderately warm house. In flats they can be handled in quantity with little expense and will take a back seat to accommodate more valuable plants at any time. I single out this variety for this treatment because it is really hard to winter. The other varieties are easily kept over. A few old plants can be lifted in September and cuttings made in spring in time for the hotbeds, the only place to grow alternantheras.

Young primulas and cinerarias now in 2-inch pots don't enjoy tropical weather and should be given all the sunlight they can bear, if possible mornings and evenings, and above all be in a house where they can have all possible ventilation. If you would not forget them a cold frame would be best of all, but during heavy rains and during the hot hours of the day they must be protected.

The middle of August is a good time to sow pansy seed, if you have the convenience to protect them with glass during winter. If they are to take care of themselves in the open field sow first week of August. Purchase the best strain of seed you can find, and depend upon it that when it is costly seed it pays to sow in drills, the drills two or three inches apart. Sow in a frame in light rich soil and shade till the plants are well up. I don't know whether my plan of making a drill for this sort of sowing is original; I think it is. Get a rod one inch square with sharp angles and the length of your frame, and just press one edge of the stick into the soil. It will make just the required drill. Sow thinly and cover lightly, just enough to cover the seed. You can do that by brushing in a little of the soil from side of drill. This seems too simple to write about, but sowing seed is a particular operation and the poor seedsman often gets blamed for a bungling job.

W. SCOTT.

Distribution of Color.

"Half and half" is a lazy solution to the frequent question "How many of each color?" How very unlike nature's mathematics! Who ever found in a flower or plant half and half of such colors? But yet who ever found one color absolutely alone in any one flower? It is often a pertinent question as to what proportion of color shall be employed to best advantage in a group. Is a solid color, that is one kind of flowers, making an unrelieved mass of color, to be preferred at all to a combination? From what source other than the opinion of decorators can one obtain reliable hints? I take it that every well cultivated flower or plant or any wild bit of grouping furnishes a pattern marvelously beyond what formulas a decorator is pleased to call original. At best we can be but intelligent copyists of nature. Having in mind then this query, let us attempt to analyze a few specimens easily obtained at this season, such as the Gladiolus Marie Lemoine, the Lord Beaconsfield Pansy, Blanche Ferry pea and Coreopsis lanceolata.

But permit just a reference to the general distribution of color. The most common color in all the world is green, from which fact we as decorators, have yet much to learn. If the permanent wall decoration is unsuited for a background, form a new one of foliage secured to light wooden frames or wire screens. The color may thus be selected with reference to the flowers to be used. It is a point well taken against florists that they do not use enough green, if for no other reason than its lasting qualities compared with flowers. When wild smilax will last for weeks and Asparagus plumosus will cling to a picture all winter and still retain its form and color, there is no reason why a house of even modest pretensions should be without its green nook from frost till spring.

The next most widely distributed color is yellow. I have yet to find the flower without some yellow, either in composition or in more or less distinct markings, and this is sufficient to establish the theory that there is a yellow which will combine with every other color, but we have not always the flowers in cultivation that would be suited to the purpose. If we could find the yellow whose tone coincides with the soft crimson tinged yellow employed in the stamens of the Jacq rose, we would have found a fitting companion color for that touchy red.

Now let us proceed to our individual studies; in the first one named Marie Lemoine, if we read aright, there are four distinct colors; a purplish red, some yellow, a touch of green, a little violet found on the anthers. The pink which gives a pronounced tone to the flower is but a tint of the blotch of purplish red extending from the throat upwards, retaining to the very lightest edges tint of purple. This red, including its tints, occupies fully five-sixths of the surface of the flower; about one-eighth is in green and violet, and the remaining one-ninth is yellow.

This is but a rough estimate and intended to illustrate this one principle, that one color is always greatly in excess and the subordinate colors are found to be of unequal strength. There is no half and half. It may be observed here, too, that the red is not only in excess, but it permeates every other color in all parts of the flower. It is the basis of harmony. It enters into the yellow, the green and the violet in degrees of strength varying from the dark spot on the lower central petal to the gentle surrender on the filament, and even on the delicate pistils faint pink streaks can be traced with the microscope.

In the Pansy Lord Beaconsfield, there are violet, white, orange-yellow and green, the violet being predominant, thus furnishing a fine illustration of the same principle.

In the Blanche Ferry pea there is a network of mauvelsh-red threads connecting the white and light crimson petals. The light crimson is the master color, overpowering in quality the white and small amount of dull yellow, and asserting itself everywhere throughout the flower.

Coreopsis lanceolata affords a fine example of the same law in the predominance of the orange-yellow over the brown and green displayed in modest amounts among the stamens and pistils.

Not only under our feet is the feast of color spread, but over our heads the sky is continually painting abstract lessons in color. To-night it is a beautiful dark blue, skirted about the horizon with crimson-pinkish green exphasized in the west by a great curtain against the same matchless blue merging into the thin, dim veil cast over the distant hills and woods and water. Could we catch but a faint part of this free yet distinct and perfect purpose which works around us, we could not fail to put the breath of life into our creations. In flowers where the colors seem at first glance to be sharply contrasted and laid in against each other abruptly, it will be found upon closer examination that there are tiny lines and points of one color running far into the opposing color. In no flower is there found but one color tone, let alone pure unmixed color. In gladiolus containing mauve, there are its own peculiar yellows, and no very undecided yellow at that. Dark colors when in smaller quantities are retiring as in the gladiolus before mentioned.

From the foregoing observations the following applications may be drawn: While a group of one kind of flowers, for example, Meteor roses, is to be greatly admired for simplicity and richness, there may be introduced one or two additional colors with perfectly good taste, providing the surroundings and background are not conspicuous. In this case there would best be Perle and Mermet roses since the reddish yellow of the Perle has an affinity for the red of the Meteor, and the pink of the Mermet is a tint of the Meteor red. If the bunch consists of two dozen about eighteen or twenty might be Meteors, about three or four Perles and one or two Mermets gracefully crowning the group. To be sure, clumps of one variety of plants are often seen, and quite as often there is a relief of some kind near by. A patch of Black-eyed Susans by the road-side is softened by a white mint or a dull red dock. In mottled and streaked flowers there is enough combination already. They should be grouped entirely alone.

In our sphere of decoration colors cannot be mixed, but merely combined, so it behooves us to be careful. Since we cannot control the minute details it is better to employ not more than three distinct colors in one scheme.

Many tints and shades of one color may be used with beautiful effect, as a center piece composed of pansies ranging from purplish black, through reddish-purple and heliotrope pinks. Almost any one flower will reveal to the careful student many suggestions of unusual color combinations. Circumstances and surroundings must be among the first considerations. If a room is plainly and richly furnished it will admit of more elaborate coloring. But if, as is often the case, the apartment has an abundance of permanent decorations a severe simplicity must obtain in the florist's arrangements.

We must look into a flower for what we would place beside it. We must read its story before we would expand its influence. GERTRUDE BLAIR.

Convention of the S. A. F.

As the time approaches for our convention we hear the usual answer given by many to the question "Are you going to the convention?" "I think not; times are too hard; can't afford it." While with many we may be justified in saying that this is short-sighted economy, with others it is undoubtedly a sufficient reason for absenting themselves from the meeting.

But what shall we say for those who give as their reason for not attending that they are dissatisfied with the policy or management of the society? It is democratic in its system of government; it is just what its members choose to make it. If its policy or management has given any reason for discontent it is evident that the effective and proper place to remedy these shortcomings or mistakes is in the society itself. Let these members attend the meetings and assist in electing the officers and shaping the policy of the society so as to accomplish better results. If they fail to do so they cannot consistently or reasonably exercise the right of criticism. Anyone who can present any plan which will give additional interest or value to our meetings will be most welcome.

If the society is to grow and prosper you must attend the convention. If you have nothing to offer you can certainly see or hear something valuable to yourself, and your presence will be an encouragement to others. ADAM GRAHAM.

August 3, 1897.

The Mission of the National Society.

After perusing the attractive program and plan of meeting as outlined for the Providence convention I am impressed more than ever with the great benefits it is possible for the florist to derive from attending these annual meetings. To stay away is a sacrifice few of us can afford to make. The membership from the middle section of the country is entirely too small when we consider the vast horticultural interests located here and the number of progressive men engaged in the work.

I have often felt how inadequate our representation really is in the counsels of those best qualified to help each other. There is a vast amount of work that might be done in the line of unifying our varied interests. Individualism and old-fogyism are being gradually crowded out of the profession and men of broader and better views are rapidly taking their place.

The executive committee of the S. A. F. could do no better work than to adopt some means by which so many intelligent men could be brought together at least once a year for the mutual benefit of all. And the members of the society, wherever located, should not be backward in doing all that is in their power as loyal adherents of a good cause to help along the great and beneficent work. T.

Chicago to Providence.

The Chicago Florists' Club has made arrangements with the Pennsylvania railroad for transportation to Providence. Train will leave Union Station, Chicago, at 10:30 a. m., Sunday, August 15, reaching New York at 2:40 p. m., Monday. At New York the party will take the Providence line boat, leaving at 5:30 p. m., same day, and reaching Providence at 6 a. m. Tuesday morning. These boats leave New York from New Pier 36, North River, one block above Canal street.

This route will undoubtedly be very enjoyable. The Pennsylvania road is first-class in every respect and the ride over the Allegheny mountains affords views of some magnificent scenery. The boat ride from New York to Providence on the splendid Sound steamers is always attractive, but will be doubly so in this case, as there will be the company of the New York florists and undoubtedly those from other cities going by way of New York. A first-class orchestra supplies excellent music on these boats, and the supper on the boat will doubtless be a feature.

The fare from Chicago to Providence will be $23 going and $7 67 returning, a total of $30.67 for the round trip. A certificate must be secured when purchasing the ticket and this must be countersigned at Providence to be entitled to the special return fare. Sleeping car fare is $5 each way between Chicago and New York, for double berths accommodating two people.

Florists in the west and northwest are cordially invited to travel with the Chicago party. Berths can be reserved in advance by addressing G. L. Grant, 322 Dearborn street, Chicago.

New York.

PREPARATIONS FOR CONVENTION TRIP.—N. Y. CUT FLOWER CO. CHANGES ITS METHOD OF MARKETING FLOWERS.—BUSINESS DULL AND ASTERS TOO PLENTY.—CITY BUSINESS NOTES.—MR. M CORNAC OF PATERSON HAS A WIND FALL.

Returns to the secretary of the New York Florists' Club indicate that a very large attendance is assured for the Providence convention from this city and neighborhood. The transportation committee propose to make it pleasant for Providence-bound members of the S. A. F. passing through New York from other sections of the country on Monday, August 16th. The little badge of S. A. F. membership for 1897 will be the passport to a hearty welcome and good time on board the Providence boat.

The New York Cut Flower Company has adopted a new method of marketing cut flowers which will go into effect on August 15. The system will comprise the division of the salesroom into stalls in which each grower's product will be handled by his own salesman, the plan being similar to that in operation at the 34th street market, excepting that sales will pass through the company's hands, they guaranteeing all accounts and making collections, for which service a stated commission will be charged.

Flower trade continues very dull. Few flowers of desirable quality are being received but there are enough for all demands and some to spare. Asters are getting over abundant. Purple and



GROUP AT THE RECENT PICNIC OF THE INDIANAPOLIS FLORISTS' CLUB.

white are the only salable colors. Pink ones are not wanted at present. Some growers are grading their asters into extras, firsts and seconds. This must be for summer pastime as with sales slow at from $2 to $4 per hundred dozen, it doesn't pay to spend much time on grading.

W. H. Schusterman, who has been conducting a flower store on Avenue B and who had the misfortune to be burnt out last May, has now disposed of the establishment to his brother.

E. Leuly has returned from his trip with the Christian Endeavorers to San Francisco. He claims to be feeling better and evidently has designs upon the bowling trophies at Providence.

H. A. Hoffman's new wholesale flower store at 44 West 29th street is a model of neatness and convenience.

Mr. Fleischman sailed for Europe on Saturday, July 31.

It is reported that by the death of Mrs. H. E. Chitty of Paterson, E. M. McCornac, formerly clerk in Mr. Chitty's store, falls heir to the entire estate, valued at $150,000.

Philadelphia.

WEATHER —BUSINESS —PALMS AND BEAUTIES —CLUB OUTING —CLUB MEETING —DEPARTMENT STORES.—TO PROVIDENCE.

We felt sorry for the boys out west when their thermometer passed the hundred mark last week, while with us it was loafing about between 70° and 80°, but now things are different and we are sweltering a little ourselves with the mercury crawling up high into the nineties.

Business is about as usual for the time of year, a very few orders and a great hustle to get good stock enough to fill them.

Edwin Lonsdale has decided to make a change in the selling of his cut flowers. He has heretofore handled his product himself, sending a man to town and selling on orders, and from store to store. He has decided to try the commission plan and S. S. Pennock will handle his cut, principally American Beauties, the coming season. Mr. Pennock has worked up quite a trade in selected American Beauties, and by the way, the Philadelphia brand of this celebrated rose held its head up very proudly in exclusive circles the past winter. With first place for palms won hands down, first for Beauties by a foot (of stem), and running a dead heat in carnations, we begin to feel as if we aren't so slow after all, and that the field will have to hustle to catch up.

The summer outing (formerly picnic) of the Florists' club was held last Saturday afternoon at Wissinoming. About one hundred persons took part; three hundred would have been more like it, but for various reasons the multitude did not put in an appearance. However, those present were blessed with a fine day and all had a good time.

The shooting contest was first on the program. In this trial of skill George Anderson showed the boys what he could do by breaking every target shot at, winning first place in the match for 10 targets, 5 pair doubles, 5 at expert rules, and 15 in the team shoot, making 40 without a miss, a fine record. In the team shoot of 15 targets between teams captained by W. K. Harris and Thos. Cartledge, the Cartledge team won, making 65, to 59 by their opponents.

The baseball game between the growers and dealers was a very exciting affair. In order that there should be plenty of hitting Tommy Butler and Robert Kift occupied the pitcher's box for their respective teams. Tommy was touched up rather lively. His experience had been rather as a bowler at the wickets, and after he had been knocked out of the box, so to speak, his place was taken by Isaac Kennedy. Big Ike is all right for looks, but his delivery had no terrors for the dealers, and home runs and base hits were as plentiful as the clover blossoms in the diamond. Sammy Pennock sent out two long hits which were not recovered until he had crossed the plate. Robert Kift kept the heavy hitting growers down until the third inning, when he gave way to Milton Woodruff, who soon retired the side.

Three innings were enough for the growers, who were defeated by the score of 10 to 12. It makes all the difference in the world whether you are a spectator or a participant in a game of baseball, that is, the next day.

The sack race, a very amusing event, was won by A. L. Plush. George Moss gave him a hard tussle, but Mr. Plush just managed to win out.

Addleberger, of Wayne, won the blindfold wheelbarrow push, for the gentlemen, the objective point being a watering can, and of course, he being a grower, to find the can was easy. Nearly all the ladies tried their hand at the same game, and Mrs. Magee coming within a few inches, the nearest, carried off the prize. The potato race was won by J. Etchingham.

An orchestra discoursed sweet music all afternoon and evening on the porch of the club house. Late in the day a substantial lunch was served, after which the prizes were presented to the winners. The outing was ended about 9 p. m. and all present declared they had had a good time and that there should be more of such festive occasions.

The August meeting of the Florists' Club was well attended, some forty members being present. Two associate and one active member were elected. Convention matters were discussed. It was decided to go by way of Penna. railroad to New York and then by boat in the company of the New York Florists' Club, who have generously invited the members to partake of their hospitality on this occasion.

The H. A. Dreer Co. extended an invitation to the club to the third annual reception to be given to the florists and gardeners of Philadelphia and vicinity at their nurseries on August 31. This was received with thanks and will no doubt prove to be a very enjoyable occasion.

A communication was received from the National Flower Society Council, an organization having for its purpose the selection of a national flower. The secretary's address is E. A. Taylor, Biltmore, N. C. It is proposed to hold a convention in this city the coming summer to settle this mooted question. The communication was laid on the table.

In the department store discussion that followed, Mr. Harris said that he thought it good policy as a business man to sell to anyone who would pay him his price and in Mr. Wanamaker he had found a good customer and he would sell him all he wanted. He believed that he had an outlet that the regular trade did not reach and that their business would not be materially affected by such competition. Mr. Eaton said that bureaus

of information should be established so as to relieve the retail trade of the strain caused by prescribing for the sick plants bought at the department stores.

Mr. Farson made the hit of the evening when he said that at the last meeting a member had stated that a grower had sold a lot of plants to Wanamaker at half price because they were diseased. He thought it was a sin to take in a man or firm in this manner, and he hoped that if the grower was present he would stand up and explain himself. His remarks caused great merriment which turned to a great shout as Deacon Harris slowly rose in his place to explain. He said he never took anybody in in his life. The plants spoken of were white Pandanus Veitchii and he offered them to Wanamaker's buyer at the same figure as to everybody else, half the regular price of healthy stock. The man seemed pleased to get them at the figure and he was more than pleased to see them go.

Those who intend going to the convention from this neighborhood should communicate with John Westcott, chairman of transportation committee, at once and he will secure berths on the boat which may not be had if left to the last moment.

K.

St. Louis.

NO CHANGE IN BUSINESS—DIFFICULT TO QUOTE PRICES.—CLUB ELECTION AUGUST 12.—NEWS FROM ABROAD.—MR. WEBER'S NEW STORE.—BOWLING.

We have the same old story to tell: Weather hot, good flowers scarce and business dull. A few large funeral orders were reported last week but outside of that nothing is going on.

It is hard to quote prices from day to day, and there is little change since last week. Some few excellent roses are to be seen but the prevailing quality is indifferent. A few good Beauties came in last week, also Perles but most roses are small even when the color is good. Carnations are a little scarce now and the few coming in are very poor.

Asters are quite plentiful. The most salable colors are white and pink; the darker colors are not liked and most of them find their way to the dump pile. Sweet peas are falling off and many are evidently coming to the end of the crop. Gladiolus, hardy hydrangeas and auratum lilies are coming in freely. Dahlias continue to come in and the bulk of the material is from outside. Smilax is very good and plenty of it but very little sale for it.

The club meeting next Thursday promises to be a lively one. There has been a good deal of quiet electioneering going on and the fight for the presidency will be a hot one. Every member of the club is requested to be present at this meeting as the successful candidate promises to make it pleasant for the members after the meeting, so if you want to have a good time don't fail to attend this meeting, August 12, at 3 p.m.

From letters received from Wm. Young and Julius Konig, Sr., who are abroad we learn that they are having a very pleasant time and will have lots of good news to report when they arrive home in September. Mr. Young is in England and Mr. Konig is in Germany.

Mr. Fred. C. Weber will move into his new store August 15. Mr. Weber will have one of the finest floral establishments in the west.

Mr. Fred. Foster, of Milwaukee, was a visitor last week. Fred reports that he sold out his business and expects to locate here if he can find a suitable place in the west end.

Talk about bowling at white heat, with the thermometer up to 98°. The bowling club bowled three games and all the regular members were in attendance except one. The bowling was not very good as the members complained of the heat. The first game the captains were E. Schray and C. Beyer, the second by Beyer and Kuehn, and the third by Schray and Helwig. Kunz came out on top in the three games rolled with 509, and Kuehn second with 499. The highest single score was Helwig, 189. Next Monday night we are promised cooler weather.

J. J. B.



The C. Young & Sons Co. Team.



The Store Men's Team.

THE BASE BALL TEAMS AT THE ST. LOUIS CLUB'S PICNIC.

Buffalo.

THE QUIETEST WEEK.—TRADE AT THE MARKET.—CLUB PICNIC AUGUST 13.—VACATION TRIPS.

Of all quiet weeks perhaps the one just past takes the record, but as very little is expected we are not grumbling. A visit to our Washington Market on Saturday evening showed us that there is where the summer flower business is done. The bouquets may be cheap and the cut flowers at very popular prices but a large quantity changes hands. I can remember that 20 years ago to offer either flowers or plants on the market after the first of July was a waste of time but now it is an all the year round place, which shows how the taste for flowers has spread, and if we don't do the business at the stores it's will to know it is done somewhere.

A committee of the Florists' Club has made arrangements for holding the annual picnic on Friday, the 13th of this month. Two years ago it was a most successful and enjoyable affair, last year it was only so so, principally on account of the place it was held. It is remarkable what a gathering these picnics bring out. The sisters and sweethearts make their appearance in large numbers and it needs a committee to introduce strange members to each other, so seldom do we meet.

Several of our Main street florists have been picnicing on their own account. Mr. S. A. Anderson, accompanied by some of his family, has lately returned from a trip



GROUP AT THE PICNIC OF THE ST. LOUIS FLORISTS' CLUB.

to New York and New England. Mr. W. A. Adams is on a large propeller and has made the round trip to Duluth. Mr. Wm. J. Palmer, Jr., is at Lancaster helping to erect some fine rose houses.

We are to lose Mr. Dennis O'Connell on September 1. He accepts a lucrative position in Kansas City in some railroad office. I don't think it is president of the road he is to be but something near it, perhaps auditor. I should be glad to give a list of intending visitors to Providence but cannot. I hope for a good attendance from here. W. S.

Boston.

A BIG DELEGATION WILL GO TO PROVIDENCE.—PRESIDENTIAL CANDIDATES APPEARING.—NO BOWLING TEAM YET.—FUNERAL TRADE THE ONLY BUSINESS NOW.—HORTICULTURAL EXHIBITION.—A CERTIFICATE TO CYPRIPEDIUM CORNINGII.—TOURISTS RETURN.—F. L. HARRIS PROSTRATED BY THE HEAT.

Interest in the approaching convention at Providence is quite general in this neighborhood and it is evident that the accessions to membership in the national society will be large. Providence is easy of access, being but an hour's ride from Boston and the railroad fare is only a trifle. Talk of presidential candidates is rife. From present rumors it is probable that New England will show up with several candidates for that high office. It is to be regretted that nothing has been done towards organizing a bowling team to represent Boston at the contest in Providence. Possibly the boys are relying upon getting together a winning team by chance selection but that is not the way trophies are won generally.

Business is quiet at present, the only activity noticed being in funeral work of which there has been a good run during the past week, several persons of prominence having died. Roses are very small and inferior. The best white rose at this season seems to be Kaiserin Augusta Victoria but there are not as many of this variety grown for this market as its merits warrant. Asters are now the main stay of the florist who has designs to make and the street fakir, even, seems inclined to retire the carnation in favor of the aster for the time being. There is an abundance of fine white candytuft in the market and a few growers are in with early tuberoses.

On Saturday, July 31, prizes were offered at Horticultural Hall for perennial phloxes and antirrhinums. Neither were shown in first-class form owing to the heavy rains and otherwise unfavorable weather of the preceding week. Wm. Thatcher, Rea Bros., and Geo. Hollis were the principal exhibitors of phloxes, and John Jeffries and Carl Blomberg in antirrhinums. Wm. Thatcher received honorable mention for a handsome Delphinium hybridum seedling. Three large plants of Hydrangea cyanoclada Hortensia from M. H. Walsh were much admired. J. E. Rothwell showed a group of rare orchids among which was the beautiful Cypripedium Corningii which won for him a certificate of merit. The collections of native flowers were large and interesting. The first show of gladioluses came from J. Warren Clark.

Geo. A. Sutherland has returned from his vacation "down-east" with face sun burnt and as round as the full moon. E. J. Welch has also turned up in equally good form, the radiance of his ruddy complexion making the electric lights in the City Hall Flower Market superfluous.

F. L. Harris was prostrated by the heat one day during the hot spell two weeks ago. In falling he struck his head and had a very narrow escape from serious injury. His many friends will be glad to know that he has now nearly recovered.

Pittsburg.

BUSINESS STILL STAGNANT.—FIRE DESTROYS THE DWELLING OF MR. J. F. GIBBS.—VACATIONS IN ORDER.—CLUB MEETING.—TRIP TO PROVIDENCE.—VISITORS.

The florists of this vicinity while complaining somewhat of the dullness or rather stagnation of trade are taking things philosophically and accepting the advantages of the opportunity afforded of having a vacation without worry over business affairs. A good many will go to the S. A. F. convention, while others will go for recreation nearer home, fishing and hunting and getting into good condition for the fall business.

Mr. J. F. Gibbs, of Woodville, met with a very great misfortune on Sunday night, August 1. About 11 o'clock he was awakened and found his dwelling on fire; it had broken out in the kitchen, an annex to the main building, and had gained such headway that when the door opening into it was opened they could not get it shut, and the pump was in the kitchen, so no water was to be had; the fire spread with such rapidity that the family barely escaped with what clothing they had put on at the alarm. All the household goods were destroyed and nothing but the bare brick walls of the house were left standing. No one was hurt, all getting out safely. Mrs. Gibbs was not at home at the time, having gone out to their new place in the East End of Pittsburg, recently purchased from Mr. Drewes. Mr. Gibbs estimates his loss at fully $1,500 over the insurance and expects to rebuild without delay. Their many friends sympathize with them in their trouble and expressions of regret are heard from all brother florists.

Mr. Lincoln I. Neff, of 218 Sixth street and 4010 Butler street, has gone to Atlantic City for a two weeks' sojourn with his wife and family of three children.

Mr. Chas. E. Camp, who is with E. C. Ludwig, has also gone to Atlantic City for an outing. From letters received he must be having a royal good time and will be quite a "salt" by the time he comes home.

Mr. Henry Ludwig, with Gustave Ludwig, has returned from camp looking and feeling very well. His brothers are going to the S. A. F. convention this year instead of camping out on the Lake Shore.

Mr. Wm. Faber, a member of the Florists' Club, and with W. C. Beckert, seedsman, lost his father by death on Tuesday morning. Mr. Faber died from a complication of diseases and leaves a family of two daughters and three sons,

the mother having died some time ago.

Miss Mary Britenbaugh, who assists at the stand of Langhans & Co., Allegheny Market (Mr. F. Britenbaugh is the Co.) is at home sick with typhoid fever. Her friends all wish her a speedy recovery.

The Florists' Club held a special meeting on the 5th inst. to close arrangements for attending the S. A. F. convention. Those who go expect to leave on the 12th inst.

Mr. T. P. Langhans is home from Somerset county looking well and hearty. He brought home a series of photo views taken by himself and which reflect great credit on him as an artist in that line.

Mr. Wedenroth, with Mr. Nicholas Wappler, was with us this week, also Mr. A. M. Stewart, representing Mr. John Krauss, of New York. Mr. S. says trade is picking up again now that the tariff question is settled. It has made at least 15% difference in their line of goods.

REGIA.

Chicago.

CLUB'S VISIT TO PARK RIDGE.—ROUTE TO PROVIDENCE.—NEWS OF THE PARKS.—MARKET CONDITIONS.—VISITORS.

The weather was again favorable for the Florists' Club last Sunday and the visit to Mr. E. Buettner's place at Park Ridge was much enjoyed. Mr. Buettner has 12 acres of land and 70,000 feet of glass, all in the best of order. His Beauties are in the pink of condition, as in fact is everything on the place. He has this year increased the space devoted to Beauty and cut down that devoted to Meteor. Not only is the call for Beauty greater, but the soil here seems better adapted to the Beauty than other roses. The soil is mostly humus produced through the rank growth of prairie grass which for ages has annually been burned over or decayed in natural course. This is slightly mixed with the clay subsoil. There seems to be rather more clay in his soil than at some other points around the city. He believes that Beauty likes a lighter soil than most other roses, and certainly the Beauties produced by Mr. Buettner cannot be excelled anywhere in the country. Meteor he finds rather disposed to mildew and when attacked by this fungus it is very difficult to combat, more so than on any other rose he grows. This is his main reason for cutting down the space devoted to this rose. He is giving Belle Siebrecht another trial, using carried over plants, believing that this rose will produce better from such plants than younger ones. He is trying only 300 plants as an experiment. He has discarded Testout. While the buds were good and always salable he found it did not bloom freely enough to be profitable. His early chrysanthemums are now about two feet high and in splendid condition.

In carnations the only new ones he is trying are Jubilee, Flora Hill and Harrison's white. He has considerable faith in the last named on account of its parentage. The plants in the field are all looking well. It is understood, though, that Jubilee does not move well, and Mr. Johnson, foreman for W. N. Rudd, said that they were growing all their carnations inside this summer, and had nothing planted out except a few seedlings. They plant in benches in May. Mr. Buettner thought he could not afford to grow carnations in that way as he would then lose the late spring cut from houses of previous season's planting.

Mr. Buettner uses soil from his own land altogether, arranging it so that each section has several years in which to recuperate, during which period it is planted to some strong growing grass which is turned under to enrich the soil.

After the visitors had inspected the houses and fields they gathered on the lawn where a temporary shelter had been erected for the occasion, and were given an excellent lunch with abundant liquid accompaniment, and Messrs. McKellar, Winterson and Kissell entertained all with excellent vocal music. There was no baseball this time and it was somewhat humorous to see some of the baseball heavy weights engaged in the mild game of croquet. The afternoon passed very pleasantly and all enjoyed themselves thoroughly. A unanimous vote of thanks to Mr. Buettner for his generous hospitality was passed and at time of leaving he was given three hearty cheers.

The next trip will be to the establishment of Messrs. Bassett & Washburn at Hinsdale, some time the latter part of August, date not yet decided.

Notice of arrangements for transportation from Chicago to the Providence convention of the Society of American Florists will be found elsewhere in this issue under the heading 'Chicago to Providence." This will be a most delightful trip, and all who can possibly do so should avail themselves of the opportunity to visit the seashore under such favorable circumstances, to say nothing of the attractions of the convention itself.

Mr. M. Stauch has taken the position of manager of the greenhouses of the Art Floral Co. at Blue Island.

Mr. Kanst is moving the plants into the handsome and commodious new conservatory at Washington Park.

Mr. Stromback expects to extend the herbaceous garden in Lincoln Park to Fullerton avenue the coming season.

The Lincoln Park Board offers $150 in prizes for the best plans for the new Chicago Avenue Park, which will be on 15 acres of the made land east of the Chicago avenue pumping station. Work will begin September 1 on the Ohio street extension of the Lake shore drive.

Business is looking up a trifle, there being a perceptible increase in the demand for cut flowers. Roses are beginning to come in a little better, good teas bringing up to $3, though there are more going at $1. Beauties sell very readily but the price obtained is somewhat low, $15.00 per hundred being asked for the best.

Most of the carnations coming to this market are poor in quality, although there are a few good ones, including Lizzie Gilbert, Portia and Scott, the latter readily bringing 75 cents per hundred. Other stock can be bought as low as $5 per hundred bunches.

Smilax was somewhat scarce the past week, all that came in the market finding ready customers; price ranging from $8 to $10. Sweet peas are beginning to shorten up while the demand is not brisk the supply is also short. Gladioli have been coming into the market in large quantities from the central part of the state. There is not a very great call for this article and quantities of it are left on the commission men's hands.

Visitors in town: Mr. Humfeld of the Muncie Floral Co., Muncie, Ind; U. J. Virgin, New Orleans; H. A. Bunyard, representing Pitcher & Manda.

The New York Gardener's Society.

A special meeting of the New York Gardeners' Society was held in their rooms on Saturday, July 24th, for the purpose of distributing the prizes won at their exhibition in the City Hall in June. The president, Mr. John Shore, in handing the the winners the several valuable cups and money prizes, accompanied them with suitable remarks which were responded to by the recipients.

A discussion followed on the advisability of holding a canna show next month, and it was finally resolved that an exhibition of cannas and other flowers be given in connection with the Society's first annual dinner, which will be held on the second Saturday in September, and to which the presidents of all neighboring Florists' and Gardeners' Clubs will be invited. It was also decided to hold a chrysanthemum show in November and a committee was appointed to make arrangements accordingly.

On the exhibition table were some very fine seedling cannas raised by A. L. Marshall, of Powling, N. Y., one of which, a large deep crimson flower named John B. Dutcher, which is an improvement on Chas. Henderson, was awarded the Society's certificate. Messrs. John M. Hunter and A. Welsing also made displays of new and standard varieties of cannas. The latter showed a vase of asters which were much admired. A certificate of merit was awarded Mr. Ferdinand Mangold for a new cypripedium.

The next meeting of the Society will be held on the occasion of the dinner in September 11, which will be a great event amongst the gardeners of this section.

JAS. I. DONLAN.

Providence, R. I.

A HAIL STORM.—MUCH RAIN.—BUSINESS DRAGS.—ENTERTAINMENT FOR CONVENTION VISITORS.

A genuine hail storm visited the city on Saturday last, that lasted several minutes. Fears were expressed by many that a great amount of damage would be done. Fortunately we escaped any serious results. In some places foliage was badly punctured and a small amount of glass broken.

Too much rain of late has injured stock plants of carnations in the field where the location was low and soil heavy.

Business drags along and outside of funeral work there is nothing to stimulate the florists save the coming convention. The fever is raging above the normal and every one is getting into line with a determination to make this one of the most enjoyable conventions ever held by the society.

Through the courtesy of Mr. E. J. Johnston, the spacious grounds about the homestead will be one of the objective points. On the way to Swan Point cemetery the party of ladies with their escorts will tarry at Mr. Johnston's where refreshments will be served by the club and the hospitality extended to the visitors.

The ride to Roger Williams' Park and a small million other side excursions will enable the visitors to get a good idea of Providence as we find it.

Roses and good material for funeral work has been scarce for some time past. Asters are a little tardy this year and the rain has spoiled out of door flowers.

Don't forget the dates 17, 18, 19, 20.

The souvenir program which the local club will present to convention visitors is nearing completion and will be very handsome and creditable to the club and to Mr. H. C. Aylesworth, who is getting it out. Mr. Aylesworth's address is 97 Dyar street, and he says he has a few more eligible spaces left for wise advertisers.

LITTLE RHODY.

Baltimore.

CLUB MEETING.—TRADE CONTINUES DULL.—DEATH OF WILLIAM FOWLER.

At the last meeting of the club the vice-president of the S. A. F. for Maryland was by resolution requested to use his vote and influence at Providence to bring about the affiliation of the various clubs with the national society.

There was quite an interesting show of cannas at the meeting, including an exhibit from Mr. Robert Craig, of Philadelphia. Undoubtedly the canna is taking a front rank for bloom as well as foliage, and if it is improved in size much further it is to be hoped it will be improved in substance as well, for the worst fault it has now is its flabby and transient character.

Trade in general continues dull. Roses are scarce; one might almost say good ones are unobtainable, and the bulk of the dealing is in flowers suitable for funeral work.

Mr. William Fowler, who was gardener for Mr. Johns Hopkins and after Mr. Hopkins' death gardener on the estate, in all forty years, died on July 23 at the advanced age of seventy-five years.

He was born at Kelvin Grove, near Glasgow, Scotland, December 24, 1822. He served his apprenticeship at the Royal Botanical Gardens, Glasgow, and went from there to Kew Gardens, London, from whence he came to America in 1849 and settled in Virginia. He had, however, left such an admirable record at Kew that the British government sought his services in botanical work in Australia, where he served three and a half years.

After his return from Australia he engaged with Mr. Hopkins and for the ensuing forty years never changed his situation. In fact but for the estate having been purchased by the city to form Clifton Park he would have been occupying the same house at his death.

Mr. Fowler was one of the most remarkably unassuming and unpretentious men in his business. His knowledge of plants was astonishingly extensive and yet few even of his acquaintances had any idea of his abilities, owing to his reserve and modest appreciation of his own worth. He was with all an exemplary christian, and for over twenty-five years an elder in Aisquith street Presbyterian church.

Clifton, as the Hopkins home place was called, was his pride, and the many magnificent specimen trees and shrubs now adorning the city's most beautiful park were selected, placed and developed into their present beauty by the loving care of Wm. Fowler.

The place has been noted for many years for the indoor grapes and other fine fruit produced, especially the figs, which were grown in great quantity, with unvarying excellence and undeviating success.

In all we may say we have sustained a loss, in him, of another old school gardener, whose place will probably never be filled. MACK.

NASHUA, N. H.—The mother of Judge C. W. Hoitt died Wednesday, August 4. Judge Hoitt will have the sympathy of his many friends in the trade.

COHOCTON, N. Y.—The Presbyterian Church held its second annual sweet pea exhibition August 5 and 6. There was quite a lengthy list of prizes. Grove P. Rawson, of Elmira, was judge, and he also delivered a lecture on "Plant life" to an appreciative audience.

FORT DODGE, IA.—P. L. Larson has bought the fixtures and stock and leased the greenhouses of the Fort Dodge Greenhouse and Nursery Co., (John Kellenberger) and will continue the business. Mr. Larson has been foreman for J. C. Rennison, Sioux City, Ia., for the last four years. Mr. Kellenberger has accumulated considerable property which he intends now to enjoy.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—By all round florist; near Chicago; German; 15 years experience. Address E L, care American Florist, Chicago.

SITUATION WANTED—By experienced all around grower; well up in roses, etc; age 30, single Address GEORGE BEAL, Massillon, O.

SITUATION WANTED—In commercial or private place, by a single man, Swede; 7 years' experience. Address A J, care American Florist.

SITUATION WANTED—As gardener and florist by single man of large experience; first-class references, etc. A D, care Am. Florist.

SITUATION WANTED—All-round florist, 22 years' experience in east and west, age 38, married; reference, O E W, Central Park Ave., Davenport, Ia.

SITUATION WANTED—By first-class grower and decorator, position either in store or greenhouse. References No. 1 Address VERITAS, care American Florist, Chicago.

SITUATION WANTED—First class general grower, designer; 17 years' experience; married; competent to take charge. Reliable, temperate; worker. ALBION, care American Florist, Chicago.

SITUATION WANTED—By young man, to further his knowledge of growing cut flowers; 4 years of general plant growing. Good propagator and worker. Address F AYARS, Edwardsville, Ill.

SITUATION WANTED—As grower or foreman on commercial place; 18 years' thorough, practical experience growing roses, carnations, mums, violets, bulbs. References. WORKER, care Am. Florist.

SITUATION WANTED—Single man, 26, sober, 6 years' experience with cut flowers and bedding plants; permanent position, private or commercial, in or around Philadelphia. G W, care Am. Florist.

SITUATION WANTED — By an experienced gardener and florist, competent in all branches, 6 years in last place. First-class references. Married, no family. Address H C W, Box 16, Mayfair, Ill.

SITUATION WANTED—By experienced and successful rose, carnation and violet grower and all choice florist stock. Wages moderate. Address FLORIST, care A. S. Horn's Greenhouses, Fremont, O.

SITUATION WANTED—By all round good grower; well up in roses and mums, etc. First class references from past and present employers. Age 22, single. State wages, etc. Address ROSE GROWER, care W. W. Coles, Kokomo, Ind.

SITUATION WANTED — By an experienced and practical gardener and florist; commercial or private place. Best of European and American references. Married, age 30 Address PRACTICAL, care American Florist.

SITUATION WANTED—By young man, in wholesale or retail establishment. Thoroughly acquainted with New York City trade, and highly recommended. New York preferred. Address WHOLESALER, care 67 Bromfield St., Boston.

SITUATION WANTED—By florist; 12 years' experience; good grower of roses, carnations, violets, mums, pot plants, etc. Landscaper. Best of references. Address H R, care John Kletteberg, 342 Cleveland Ave., Chicago.

SITUATION WANTED—A young man with 4 years' experience in greenhouse and flower store, also funeral work and decorating. Would prefer store work and decorating. Strictly temperate. Best of references. HARRY C. GRAY, Bucksport, Me.

SITUATION WANTED—By an expert florist as foreman in large commercial place. Fully competent in every way, and can produce A1 stock of roses, carnations, mums, etc. Married, age 35. For partic lars address FLORIST, Box 4, Rosebank, Staten Island, N.Y.

WANTED—To rent greenhouses with about 5000 ft. of glass; preferably in Northern Ohio. B. H. THORNE, Wooster, O.

WANTED—At once, a good all around grower of general stock—no expert. Single man. Address THE CAMPBELL GREENHOUSE, St. Cloud, Minn.

WANTED—At once, a first-class all round florist; must be a good decorator and design maker with first class references; American preferred. Address GARDEN, care Am. Florist.

WANTED—To buy a small greenhouse establishment or store in good live town with home market; natural gas preferred; if you mean business write stating full terms and particulars. Address O G, care American Florist.

WANTED—A thoroughly experienced gardener, by scotch gentleman in N. C., at his residence, Greenhouse 80x20, sash, moderate grounds and small farm to manage—all help needed. Good house; salary $30 00 per month. Man accustomed to southern help preferred. No man need apply who has not first-class testimonials from good places from the old country—Scotch, English or Irish equally liked. Address B. J. FISHER, Asheboro, Randolph Co., N. C.

FOR SALE—Near Chicago, 5 greenhouses, a nice dwelling and implements. More particulars on application. Address M, care American Florist.

FOR SALE—Or trade for clear city or farm property, garden farm, five acres, five hot houses. Sell cheap. Easy terms. Address HARRY W. LEE, Alexandria, Ind.

FOR SALE Well established florist business in northern Indiana, 8 000 ft. of glass, nearly new, 8 acres of land, or less if desired. No competition Address G care American Florist, Chicago

FOR SALE—On account of age of proprietor, a greenhouse plant of nine houses, all stocked and in successful operation. For particulars, address FORT DODGE GREENHOUSES, Fort Dodge, Iowa.

FOR SALE OR RENT—Greenhouse property in immediate neighborhood of New York City, opp site the entrance of three cemeteries. For particulars address L M, care American Florist.

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FOR SALE—New greenhouse well stocked, in first-class condition, in one of the best towns in Wisconsin. Good opening for a hustler. Owner retiring on account of bad health. For particulars write ELLIS & POLLWORTH, Milwaukee, Wis.

FOR SALE—In Warren, R. I., 5 greenhouses, nice 6-room cottage, barn, sheds, shops, etc.; about 10 acres of good land; young orchard, shade trees and grapevines. Greenhouses and cottage heated with hot water. Windmill supplies water over the premises. Can be bought on easy terms. Apply to O. H. NYE, Warren, R. I.

WANTED.

Two carnation and pansy growers with $1000 each. We have added 20 000 square feet of glass to our plant this year, and all of our men have stock in the incorporated company. Two of our men have the Alaska fever, and wish to sell out. Address **A. MITTING, Morris, Ill.**

WANTED.

To purchase at a low figure, within a radius of 30 miles of New York City, a small florist establishment of from one to five acres of land, with two to five greenhouses, for a young man to start in the business. Address G. E. D. care American Florist, Chicago.

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Well established seed and bulb business in large eastern city, with very good wholesale trade; reasons for sale, inability to attend to it properly on account of other business; good opportunity for enterprising and pushing seedsman; small capital required. Address for particulars "SEEDSMAN," care Geo. W. Sheldon & Co., 277-285 Dearborn St., Chicago.

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Novelty Hot Water Heater capable of heating 1000 feet of 4-inch pipe. Used two seasons only. Greenhouse to be taken down. Apply at CRESCENT HILL CONSERVATORIES, P. O. Box 75, Framingham, Mass.

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The W. J. Thurston range, consisting of two houses 103x16 ft., one house 130x20 ft, one house 105x10 ft 6 in., one house 130x11 ft 6 in., and one sash house 60x10 ft., all heated with Hitchings & Co's corrugated fire-box boilers, pipes and fittings, and, in addition to the above, the heating apparatus, consisting of two No. 17 boilers with pipes and fittings, is in place for one house 105x16 ft. and one house 154x20 ft. There are two potting sheds and a stable on the place, which consists of about two acres of land situated at Ramseys, N. J. The above property will be sold cheap to close the estate. Apply to W. J. Thurston, on the premises, or BARGAIN care American Florist, Chicago.

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Located, Independence, Missouri 10 miles from Kansas City, with rapid transit; plant established in 1881, well known, good trade over Missouri and four other states and at home. Present plant built entirely new two years ago—two houses 100x20, one 100x10, potting and packing shed 16x50 and boiler shed; especial care taken in building; everything first class and substantial; patent ventilating apparatus working perfectly; city water, 12 faucets and meter, low rate. Hot water heat, heats perfectly. Plant includes 20 000 pots, 50 good hotbed sash, stock of plants, carnations, etc. and miscellaneous bedding plants, and 2½ acres of land. Reason for selling, proprietor's failing health. Address at once N. S. GRIFFITH, care McCoy Banking Co., Independence, Mo.



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	CHICAGO Aug. 6.
Roses, Beauties, long	10.00@16.00
" " medium	6.00@10.00
" " short	4.00@ 6.00
" Brides, Bridesmaid	1.00@ 3.00
" Meteors, La France	1.00@ 3.00
" Kaiserin	1.00@ 3.00
" Niphetos, Perle, Gontier	1.00@ 2.00
Carnations	.40@ .75
Sweet peas	.10
Gladiolus	2.00@ 3.00
Swainsona	.75
Auratum	6.00@ 8.00
Asters	.50@ .75
Adiantum	.50@ .75
Smilax	8.00@10.00
Asparagus	50.00

	ST. LOUIS, Aug. 5.
Roses, Beauties	6.00@10.00
" Meteors	2.00@ 4.00
" Brides, Maids	2.00@ 4.00
" Mermets, La France	1.00@ 3.00
" Perles	1.00@ 2.00
Carnations	1.00
Asters	1.00
Tuberose stalks	3.00@ 5.00
Sweet peas	.15
Smilax	10.00@12.50
Adiantum	1.00
Asparagus	25.00

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Wholesale Markets.

Cut Flowers.

	NEW YORK, Aug. 4.
Roses, Beauty, extra	5.00@35.00
" " medium	3.00@10.00
" " culls	.50@ 1.00
" Bride, Bridesmaid	.50@ 6.00
" Morgan, Testout, Meteor	.50@ 3.00
Carnations	.25@ .75
Valley	2.00@ 3.0
Sweet peas per 100 bunches	.25@ .50
Asters, per 100 bunches	2.00@ 4.00
Gladiolus	.50
Adiantum	.25@ .75
Smilax	10.00@12.00
Asparagus	40.00@50.00
	BOSTON, Aug. 4.
Roses, Gontier, Perle	1.00@ 2.00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
Carnations	.50@ 1.00
Valley	2.00@ 3.00
Asters	.50
Sweet peas per 1000	.25@ .50
Pink pond lilies	4.00
Adiantum	1.00
Smilax	10.00@12.00
Asparagus	50.00
	PHILADELPHIA, Aug. 4.
Roses, Beauties	6.00@12.00
" Brides, Maids	2.00@ 4.00
" Meteors, La France	2.00@ 4.00
Carnations	.50@ 1.00
Valley	3.00@ 4.00
Sweet peas	.25@ .50
Smilax	12.00@15.00
Adiantum	.75@ 1.00
Asparagus	35.00@50.00

GEORGE A. SUTHERLAND,
Cut Flowers AND Florists' Supplies
WHOLESALE.
67 Bromfield St., BOSTON, MASS.

Wholesale Florists JOBBERS IN
ALWAYS ON HAND: CARNATIONS, BRIDESMAIDS, BRIDES.
FLORIST'S SUPPLIES.
N. F. McCarthy & Co.
FLORISTS' VASES.
Horticultural Auctioneers.
84 HAWLEY STREET, - BOSTON.

CITY HALL FLOWER MARKET.
WELCH BROS., Props.,
15 PROVINCE ST., BOSTON, MASS.
Space assigned to growers wishing to consign goods regularly.
Space to rent to growers wishing to sell their own goods.

Asparagus Plumosus Nanus.
Strings 10 to 12 feet long,
50 CENTS.
W. H. ELLIOTT, Brighton, Mass.

LAST CALL FOR ADVS.
FOR OUR
CONVENTION NUMBER
Copy must reach us by the morning of August 11 to be in time.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

John I. Raynor,
49 WEST 28th STREET,
NEW YORK.

SPECIAL EXTRA STOCK OF AM. BEAUTY, METEOR, BRIDESMAID, BRIDE.

Record Breaking Carnations
ALL THE YEAR ROUND.

American Beauty
and all other choice Roses in unexcelled quality.
Carnations, Mignonette, Orchids and Valley.
THOS. YOUNG, Jr.,
43 W. 28TH ST., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE
FLORIST,
39 West 28th Street, NEW YORK.
Roses shipped to all points. Price list on application.

Edward C. Horan,
34 W. 29th Street, NEW YORK,
WHOLESALE • FLORIST.
Careful Shipping to all parts of the country. Price list on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
Price list on application.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.

JULIUS LANG,
Cut Flowers on Commission
53 WEST 30TH STREET,
.... NEW YORK.

Roemer's Superb Prize Pansies.
The finest strain of Pansies in the World.
INTRODUCER AND GROWER OF ALL THE LEADING NOVELTIES.
Highest Award Inter. Exhibition at Hamburg, 1897.
Catalogue free on application.
FRED. ROEMER, SEED GROWER,
Quedlinburg, Germany.

You Need Our
TRADE DIRECTORY
AND
REFERENCE BOOK
FOR 1896. PRICE $2.00.
AMERICAN FLORIST CO.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Pea Reports.

First correspondent: N. Y. State, half the crop rotting and sprouted. Eastern Michigan, yield half crop. Port Hope vicinity, yield one-third, acreage one-half. Northern Michigan, crop one-half, acreage one-half.

Second correspondent: Canada, acreage one-half, crop prospects not over half usual. Peas sprouting account rain and heat, damage hard to estimate yet.

Third correspondent: New York. Peas under size and generally a poor sample, the early crops fairly good as to quantity, anticipate medium and late quite short; account hot weather peas undersized. Late sown late sorts doing better but shortened acreage will reduce total crop.

Fourth correspondent: Canada, much rain last week in July. Vines cut and suffering in field, some fields so flooded can't turn vines.

OSCAR H. WILL & Co., of Bismarck, N. D., and Fayetteville, N. Y., have sold their Fayetteville branch to Mr. F. H. Ebeling, of Syracuse, who has removed the same to that city. Mr. Will expects to return to the northwest soon.

VISITING NEW YORK: C. P. Braslan of Chicago.

Toronto.

THE CRICKET MATCH.—UNFAVORABLE WEATHER.—HORT. SOCIETY MEETING.

The weather on Wednesday last was not propitious nor was it conducive to first rate cricket. Old probs said that it would clear up in the afternoon and Harry Dale with twenty-five of his staff arrived on the grounds (Exhibition Park) about 12:30 p. m. After every one, including about thirty members of the local Association, had stowed away a good square meal, play was commenced but the aforesaid old probs having been on a bender the day before forgot all about his promise and treated us to various kinds of Scotch mists and "cunning little rains". However, play went on merrily although the crease, which in ordinary times is as good as any in the city, was very muddy and greasy. Brampton went to the wicket first and were all put out for 43 runs, then Toronto went in and managed to pile up 47, more than half of which were made by Tom Manton, who displayed a most astonishing and unexpected capacity for driving the ball all over the field. It is hard to say how matters would have gone if the weather and the grounds had been in good order, but another match will be in order before the season closes. There is lots of fun and sociability in these meetings anyway.

The Horticultural Society holds its "Sweet Pea" meeting to-night and Mr. E. Utley will hold forth on the subject, no doubt to the edification of all present. A large audience is expected. The present place of meeting will soon be too small for these gatherings. E.

IF YOU have anything to sell to florists you should not fail to offer it in our Convention Number to be issued next week. But send adv. at once or you may be too late.

JOHNSON & STOKES.

Kingly Giant Pansies.

Our Prize Gold Coin Collection of Kingly Pansies cannot be surpassed in size of flower, perfection of bloom, or for the variety of markings or richness of coloring.

WE OFFER

$50.00 In Gold ... Premiums

FOR BIGGEST PANSIES.

We know that in our "Kingly Collection of Giant Pansies" we have as fine a strain of pansies as it is possible to produce. To stimulate an effort to show them at their best, we offer the following GOLD PRIZES:

$25.00 in Gold for the Largest Pansy.
10.00 in Gold for the Next Largest.
5.00 in Gold for the Next Largest.
3.00 in Gold for the Next Largest.
2.00 in Gold for the Next Largest.
1.00 in Gold for the Next Largest.
1.00 in Gold for the Next Largest.
1.00 in Gold for the Next Largest.
1.00 in Gold for the Next Largest.
1.00 in Gold for the Next Largest.

CONDITIONS OF COMPETITION.

Competition is open to all who purchase of us. our J. A. & S. Kingly Collection of Giant Pansies. Inside of each packet will be found a **card**, on which the flower must be carefully mounted and pressed and sent to us on or before October 1st, 1898.

PRICES, Per Trade Packet.....$ .50
Per ¼ Ounce..... 1.25
Per Ounce..... 5.00
Per ¼ Pound..... 15.00
Per Pound.....50.00

Other Pansies.

	Trade Pkt.	¼ Oz	Oz.
Giant Yellow	$ .40	$1.00	$4.00
" White	.40	1 00	4.00
" Striped	.40	1.00	4.00
" Black	.40	1.00	4.00
" Blue	.40	1.00	4.00
	Trade Pkt.		Oz.
Bugnot's Giant Blotched	$ .50		$5 00
Cassier's Five Blotched	.50		5.00
	½ Trade Pkt.		Trade Pkt.
CINERARIA, James' Giant strain	$ .60		$1 00
CHINESE PRIMROSE, Prize English Mixed	.60		1.00

WRITE US YOUR WANTS IN BULBS. We can suit you in price.

JOHNSON & STOKES, 217 & 219 Market Street, **PHILADELPHIA, PA.**



IF YOU HAVE FAILED

to secure a fine stock of GLADIOLUS SPIKES write us for prices, etc. We can suit you in every particular.

NOTHING FINER OR MORE DURABLE FOR SUMMER DECORATING.

Cushman Gladiolus Co.

EUCLID, O.

LAST CALL FOR ADVS. FOR OUR CONVENTION NUMBER TO BE ISSUED NEXT WEEK.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,

Lock Box 1528. BOSTON, MASS.

Correspondence solicited.

NEW CANNAS

LOGAN BERRIES

SPIRÆA ANTHONY WATERER.

FOR FALL DELIVERY.

Send for Price List later.

THE CONARD & JONES CO., WEST GROVE, PA.

NOTICE.

The Board of Park Commissioners, City of Davenport, Iowa, wish to purchase an assortment of **PALMS.** Offers, giving full descriptions, name, size, etc., should be directed to.

CHR. TOERRING, Park Com., DAVENPORT, IOWA.

E. G. HILL & CO.,

Wholesale Florists

RICHMOND, INDIANA.

PALM Seed.

FRESH ON HAND

For AUGUST DELIVERY.	Per 100	1000	3000
Kentia Belmoreana	$1.25	$10 00	$27.50
" Forsteriana	1 25	8 50	22 50
Pandanus utilis	1 50	12 50	35.00

Above prices are for selected seeds only, of highest germinating power.

J. L. SCHILLER, Rutherford, N. J.

Mention this paper.

Send orders QUICK.

Fresh Kentia Belmoreana or Forsteriana seed, post or exp. paid, per 1000 $6.50.

Fresh Corypha australis or Sealorthia el gans seed, delivery included, per 1000 $2.75. Seed the *finest*. Samples sent on application. Send for our NEW Price Lists.

H. H. BERGER & CO., No. 220 Broadway, NEW YORK.
BRANCH OFFICE. San Francisco, Cal. (Estab. 1878.)

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

W. and D's. CELEBRATED "Sure Crop" Mushroom Spawn. SPECIAL quotations to LARGE buyers.

ALL KINDS OF BULBS—Lilium Harrisii, Freesias, Roman Hyacinths, Narcissus, etc., etc. Special prices on application.

WEEBER & DON, Seed Merchants and Growers,
114 Chambers St., NEW YORK CITY.

Mention American Florist.

NOTICE.

The Annual meeting of the members of the **Florists' Hail Association** will be held in Music Hall, Providence, R. I., at 4 P. M. on Wednesday, August 18, 1897.

JOHN G. ESLER, Sec'y.



TRY DREER'S GARDEN SEEDS,

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER, Philadelphia, Pa.



H. Wrede,

LUNEBURG, GERMANY.

PANSY SEED.

133 First Prizes, the highest awards World's Fair, and Hamburg, 1897.

1000 Seeds, finest mixed, 25c.
1 oz. " " " $3.75

Price List on application. Cash with order.

Pansies Worth Raising.

NEW CROP SEED of this POPULAR VARIETY.

3-16 ounce	$1.00
1-2 "	2 25
1 "	4.00

CASH WITH ORDER.

C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

EARLY BULBS AND PANSY SEED

Bulbs Ready.

1st SHIPMENTS OF

Romans,
P. W. Narcissus,
Freesias,
Callas,
L. Harrisii.

VAUGHAN'S INTERNATIONAL PANSY MIXTURE. This is the Pansy mixture for every Florist who would realize the highest prices for his flowers and plants. It contains the cream of the cream of every noted Pansy growers' product the whole world over. It contains besides all the choicest German Pansies in their wide range of beautiful colorings, all the separate colors of the Giant Trimardeaus with their immense flowers and rich colors. It contains the Giant Cassier and Bugnot strains, the product of celebrated Scotch strains, the Falaise and Boulogne Giants, in fact there is no strain of any of the celebrated Pansy Specialists not represented in our INTERNATIONAL MIXTURE. Price, per oz $10.00; ¼ oz. $3.00; ⅛ oz. $1.50; trade pkt. 50c. (Less 10 per cent. for cash). $6.00 per oz.; $3.00 per ½ oz.; $1.75 per ¼ oz. White, yellow and black, in separate colors, $1.00 per pkt. Plants ready September 15th.

Vaughan's "GIANT PANSY MIXTURE." Embraces besides all the above shades and colors, two special strains not listed elsewhere, and which can only be had in this and our International Pansy. This mixture includes the richest reds, coppers and bronzes together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain with its delicate veinings. We have spared no expense to secure the newest, richest and finest sorts. Price, oz., $5.00; ¼ oz. $1.35; ⅛ oz. 75c; pkt. 50c.

CHICAGO PARKS BEDDING PANSIES in extra choice mixture. Pkt. 10c; ¼ oz. 30c; oz. $1.00; 4 ozs. $3.00.

VAUGHAN'S SEED STORE,

NEW YORK, 14 Barclay St. 84 & 86 Randolph St., CHICAGO.

CANE STAKES (carload rec'd July 16th.)

Strong, select Canes, tied in bundles of 250 each, per 1000 $4 00; 3000 for $11.50.

WIRE STAKES (of best galvanized wire)

2 feet (No. 9 wire),	per 100 50c;	per 1000	$3.25
2½ " (No. 9 wire),	" 55c;	"	4.25
3 " (No. 8 wire),	" 75c;	"	6.50
3½ " (No. 8 wire),	" 85c;	"	7 50
4 " (No. 8 wire)	" 9c;	"	8 50

SPHAGNUM MOSS, extra clean, fresh stock, in full size bales, packed by our own men, per bale, $1.00; 10 bales $9 00.

The services of our **PURCHASING DEPARTMENT FOR FLORISTS** are FREE to all Florists. It's an accommodation well worth considering. It earns you money because it saves you money on ALL Purchases. Try it. Information cheerfully furnished.

W. W. BARNARD & CO.
186 East Kinzie St., CHICAGO.

Mention American Florist

Bulbs

Of any kind quoted f. o. b. at lowest rates, by

HULSEBOSCH BROS., Englewood, N. J.

X PANSY SEED. X

MAMMOTH SUNBEAM STRAIN.

A grand collection of giant flowering varieties, very large, of perfect form and choice colors; carefully selected and exceedingly fine. My customers write that this is the finest strain of pansies they can get; requires no better evidence of superiority. Trade pkt., 600 seeds, 25 cts.; 3 pkts. 60 cts.; 6 pkts. $1.00. A pkt. of the rich Rainbow Pansy added to every $1.00 order.

JOHN F. RUPP, Shiremanstown, Pa.

LAST CALL for Advs.

FOR OUR

CONVENTION NUMBER

Copy must reach us by the morning of Aug. 11 to be in time.

PANSIES

SEED. SEED.

NEW CROP NOW READY.

ROEMER'S SUPERB PRIZE PANSIES.

This strain includes all the leading novelties, **Odier, Cassier, Bugnot** and **Parisian** mixture; the qualities of these varieties are so well known as to render a description unnecessary. Mixed, per pkt. of 2,000 seeds, $1.00; $6.00 per oz.; $3.00 per ½ oz.; $1.75 per ¼ oz. White, yellow and black, in separate colors, $1.00 per pkt. Plants ready September 15th.

CASH WITH ORDER.

PETER BROWN,
Wholesale Pansy Grower, LANCASTER, PA.

PANSIES.

The **JENNINGS STRAIN** of finest American grown Pansy seed. New crop now ready. Grown from finest selected stock only. All large flowering in great variety, of most beautiful colors.

The following complimentary letter is one out of hundreds received:

BUFFALO, N. Y., June 8th, 1897.

MR. E. B. JENNINGS—Dear Sir:—The Pansy seed supplied by you last August produced the finest lot of flowers I have ever seen. They were uniformly first-class. Send me one ounce of your best mixed as soon as ready. Respectfully, WM. SCOTT.

Finest mixed, per pkt. of 2500 seeds, $1.00; ½ oz $3.00; 1 oz $6 00; 3 ozs $15 00. Yellow, black, white, blue, in separate colors, $1.00 per pkt.; half pkt 50 cts.

Cash with order. **E. B. JENNINGS,**
Lock Box 254, Southport, Conn.
Grower of the finest Pansies.

PANSY SEED.

Mixed together, of Bugnot, Cassier, Odier, Trimardeau, and many other varieties, ½ ounce $2.00; 1 ounce $3.50.

Plants ready September 15, at $3.50 per 1000.

PRIMROSES.

7000 Primroses, single, mixed colors, $2.50 per 100.

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, O.

Mention American Florist.

PANSY SEED.

	Per Oz.	Per Lb.
Mitting's Giant Mixture	$4.00	$40.00
Fiery Faces Mixture	4 00	50.00
Giant German Mixture	2.50	20.00
Small Fancy, in 100 colors	3.00	30.00

1,000,000 Pansy Plants ready September.

THE MORRIS FLORAL CO, Morris, Ill.
Established 1895. 20,000 sq. ft. glass. Incorporated 1897.

Next week comes our annual Convention Number.

Cincinnati.

BUSINESS ABOVE SUMMER AVERAGE.—CRITCHELL'S NEW STORE.—VISITORS.—BUILDING AND REMODELING.—BOWLING.—TO PROVIDENCE.

During the past week business was somewhat above the usual summer average in some of the Fourth street stores on account of funeral orders, although this was not general throughout the city. Tea roses are selling at from $2 to $3, Valley $3 to $4. There has been a fair demand for smilax all summer. Some good asters are coming in now in large quantities and sell at 50 to 75 cents per 100.

Critchell's Sons are now doing business in their new store located at 110 E. Fourth street. Mr. B. P. Critchell is very proud of its appearance and justly so, for it is one of the finest stores in the city. Mr. Critchell is the oldest florist on Fourth street, having conducted business on this popular street since '68.

Mr. Walter Mott, representing H. A. Dreer, was a caller last week. The boys are always glad to see him.

Mr. Julius Schuman, of Newport, has been very busy all summer and is still hard at work getting up a stock of ferns to supply the wholesale trade of this vicinity. He is building a house 18x80 and has it well under way for this stock this fall.

Gus Adrian, of Clifton, has also added one house 18x100 for roses, and made some other alterations about the place.

A visit to the Cambridge Tile and Pot Mfg. Co., at Covington, a few days since, found this firm hard at work and busy filling orders. Their tile works have a world wide reputation. Several large orders are being shipped at present to 'Frisco, California. This firm has also worked up a very fine business in their pottery during the past year, and, judging from the stock on hand, they will unquestionably do well this coming season.

The winning team of the bowling contest at Coney Island are now challenging any team of five, to be connected with the florist business, for a match game in the near future. The first lot of Roman hyacinths arrived here last week for George and Allen.

Who is going to Providence? is an every-day question asked. Those wishing to go should correspond with Mr. Giesy, of the Lockland Lumber Co. It is to be hoped that Cincinnati will be well represented. H. SCHWARZ.

THE long looked for improvement in business seems actually at hand, and indications are favorable for an excellent fall trade. Among recent "straws" is Mr. Harry Bunyard's report of his recent trip through the west and northwest. He says: "Florists are buying very freely, and during my recent trip I sold more goods than I have ever before sold during the same length of time."

THIS is last call for advs. for our Convention Number to be issued next week. Copy must reach us by August 11 to be in time.

CARNOTS.

375 fine plants, 3-inch pots; will sell cheap, or exchange for good Meteors.

HOPP & LEMKE, Paul P. O., Mich.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

ROSES For Immediate Planting.

SOUVENIR DU PRESIDENT CARNOT and AMERICAN BEAUTY

from 3 and 4-inch pots.

Extra fine stock also BRIDE, BRIDESMAID, PERLE, AUGUSTA VICTORIA, METEOR, MRS. MORGAN, NIPHETOS, etc., etc.

All in good, clean stock. For Special Prices for cash, write to

JOHN N. MAY, Summit, New Jersey.

My new crop of MIGNONETTE SEED is now ready, 25c per pkt.; $3.00 per oz.

40,000 FIRST QUALITY FORCING ROSES. READY FOR IMMEDIATE PLANTING.

Fully equal to those sent out the last five years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating

WOOTTON, LA FRANCE, AMERICAN BEAUTY, BELLE SIEBRECHT. 3-inch pots, $8.00 per 100. 4-inch pots, $12.00 per 100.

METEOR, PERLE, BRIDESMAID, KAISERIN A. V., GONTIER, SUNSET, MME. HOSTE, BON SILENE, NIPHETOS, MERMET, BRIDE, 3-inch pots, $7.00 per 100. 4-inch pots, $10.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

ROSES—Clean, strong and carefully grown.

AMERICAN BEAUTY, 3-inch $8 00, 3½ and 4-inch $12 per 100. PERLE, METEOR, BRIDE, LA FRANCE and KAISERIN, 3½-inch $6 00; 4-inch $7.00 per 100. Special rates on quantities.

A. S. MacBEAN, Lakewood, N. J.

We have still on hand a few Extra Fine

AMERICAN BEAUTY PLANTS

Sizes and Prices on application.

EDWIN LONSDALE, WYNDMOOR, Chestnut Hill, (Station H), PHILADELPHIA, PA.

ROSES for FORCING.

750 BRIDES, 600 MAIDS, 750 METEORS, 125 PERLES, in 3½-in. pots at $3.50 per 100.

Elegant clean stock. If you are in want of any speak quick.

A. G. PRINCE & CO., 88 WABASH AVE., CHICAGO.

1000 Bridesmaids, 400 Brides,

3½-inch pots, extra fine, at $2.50 per 100. Cash with order.

GEORGE A. HEINL, Toledo, Ohio.

1000 AMERICAN BEAUTIES

Fine 4-inch pot plants, $10.00 per 100.

EMIL GLAUBER, Montclair, Colo.

IF YOU WANT ANY

ROSES FOR LATE PLANTING,

TRY KUHL'S

Perles, Kaiserins, Brides, Bridesmaids and Belle Siebrecht. They will catch those planted earlier.

STILL SOME FINE SMILAX.

GEO. A. KUHL, Pekin, Ill.

FIRST COME, FIRST SERVED.

SELECT STOCK

BRIDE and BRIDESMAID ROSES

2½-inch, grown expressly for our own use, at $2.00 per 100, where 250 or more are wanted. Cash with order.

SOUTH SIDE FLORAL CO., Springfield, Ill.

Mention the American Florist when writing to advertisers on this page.

ROSES.

	Per 100
METEOR, 2½-inch	$2.00
" 3-inch	3.00
BELLE SIEBRECHT, 2½-inch	2.00
" 3-inch	3.00
TESTOUT, 2½-inch	2.00
ALBANY, 3-inch	3.00
LA FRANCE, 3-inch	3.00
BRIDESMAID, 3-inch	3.00
BRIDE, 3-inch	3 00
PERLE, 3-inch	3.00

REINBERG BROS., 51 Wabash Ave., CHICAGO.

H. P. ROSES for forcing.

Clematis, Rhododendrons, Magnolias, Hardy Azaleas, Tree Roses, Etc.

L. C. BOBBINK, Rutherford, N. J.

Branch Horticultural Co., Boskoop, Holland.

For MILDEW on ROSES

CARNATION RUST, FRUITS AND VECETABLES,

USE FOSTITE; 5 lbs. 50 cts.; 25 lbs. $2.00.

C. H. JOOSTEN, Importer of Bulbs, Plants, Seeds. 193 Greenwich St., NEW YORK.

ROSES.

Extra fine stock, clean and healthy.

BRIDE and BRIDESMAID, from 2½-inch pots, $20.00 per 1000; $2.50 per 100.

BRIDE and BRIDESMAID, from 3½-inch pots, $35 00 per 1000; $1 00 per 100.

GERANIUMS, 3 inch, $4.00 per 100.

CUT SMILAX, 12 cents per string.

TERMS CASH.

NATIONAL PLANT CO., Dayton, O.

When writing mention the American Florist.

GOOD ROSES CHEAP.

	Per 100
2000 METEORS, 3-inch	$2.50
1500 MAIDS, 3-inch	3.00
1000 BRIDES, 3-inch	3.00
600 PERLES, 3-inch	3.50

First-class plants for immediate benching.

600 2-inch MAIDS, 600 METEORS at 2.00

W. H. GULLETT & SONS, Lincoln, Ill.

Always mention the American Florist when writing to advertisers.

Single Violets.

	Per Doz.	Per 100
Princess de Galles	$1.00	$7.00
Princess Beatrice (new)	1.00	7.00
Admiral Avellan (new)	1 00	7.00
Luxonne	.75	5.00
Petite Blue	.75	5.00

IMPORTANT NOTICE:—All plants are healthy, not diseased nor degenerated; each kind true to name. All stock grown in cold frames without artificial heat of any kind.

SINGLE VIOLETS MY SPECIALTY.

All good kinds furnished on application.

FRANCOIS SUPIOT,
57th St. & Lancaster Ave., PHILADELPHIA

NEW CROP SEED NOW READY
OF
Zirngiebel's Standard Pansies.

Silver Medal in Boston, and First Prizes everywhere.

"HUGE JEWELS OF VELVET AND GOLD."
—*Boston Transcript.*

GIANT MARKET and GIANT FANCY Strains, in Trade Packets at One Dollar each.

DENYS ZIRNGIEBEL, Needham, Mass.

FIELD-GROWN
CARNATIONS

	PER 100
STANDARD VARIETIES, 1st size,	$7.00
" " 2nd size,	5.00
MRS. C. H. DUHME,	10.00
MRS. GEO. M. BRADT,	12 50

F. DORNER & SONS CO.,
LA FAYETTE, IND.

ROSES. CLEAN, HEALTHY STOCK.

Bride, Maids Perle, Sunset, Mrs. Morgan, Niphetos, Testout, Belle Siebrecht, from 2½-inch pots, $5.50 per 100; $50.00 per 1000.
Perle, Bridesmaid, Testout, Mrs. Morgan, Belle Siebrecht, strong plants from 3-inch pots, $5.50 per 100; $50.00 per 1000.
SWAINSONA ALBA, 4-inch pots $1.50 per dozen.
I will exchange Roses for young Palms, Pteris tremula, Double Violets and H. P. Roses.
JOSEPH HEINL, Jacksonville, Ill.

ROSES for FORCING

About 300 PERLES, from 4-inch pots left. Can now be had at a bargain.

VIOLETS for immediate planting, Lady H. Campbell. No disease, fine stock, 2½-inch pots.

100 SWAINSONA, 3-inch pots. Write for prices.

CRABB & HUNTER, Grand Rapids, Mich.

LAST CALL FOR ADVS.
FOR OUR
CONVENTION NUMBER....

Copy must reach us by the morning of August 11 to be in time.

PALMS.

Owing to our stock being grown with plenty of air the plants are all strong and sturdy, and will bear transportation for long distances. Florists intending to purchase this class of stock for their fall trade will do well to place their orders immediately, so that they can have them shipped by freight, thus avoiding the excessive express charges which they would have to pay if shipped during the cold weather. The prices will also be very much higher in the fall than at the present time, owing to the high duty which will then be in force.

ARECA LUTESCENS.

	Per doz.	Per 100
5-in. pots, 20-24 inches high, 3 plants in a pot		$6.00 $50.00

COCOS WEDDELIANA.

3-inch pots	$3.00 $25.00

KENTIA BELMOREANA.

3-in. pots, 8-12 in. high, 4-5 leaves	$3.50 $25.00
4-in. pots, 12-15 in. high, 4-6 leaves	6.50 50.00
5-in. pots, 18-20 in. high, 6-7 leaves, stocky	9.00 75.00

LIVISTONA ROTUNDIFOLIA.

5-in. pots, 12-15 inches high, 7-8 leaves, strong plants	$1 50 each, $18.00

KENTIA FORSTERIANA.

	Per doz.	Per 100
3-inch pots, 12-15 inches high	$	$15.00
4-inch pots, 15 18 inches high	4 50	35.00
5-in. pots, 20-24 inches high	9.00	75.00

LATANIA BORBONICA.

3-inch pots	$ $10.00
4-inch pots, 12-15 inches high	3.00 25 00
6-in. pots, 18-20 in. high, stocky plants	9.00 75.00

LIVISTONA HOOGENDORPII.

4-inch pots, 10-12 inches high, 7 leaves	$4.50 $35.00

PHŒNIX RECLINATA.

5-inch pots, 15-18 inches high	$6.00 $45.00

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JOHN N. MAY, Receiver. SHORT HILLS, NEW JERSEY.

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Roses, Bulbs and Hardy Perennials

In Large Assortment and of Superior Quality.

Fully believe that we can show more Ornamental Trees and Shrubs, and a larger, finer block of Hardy Roses, Hybrid Perpetual Moss and Climbers of the leading popular varieties including the famous Crimson Rambler than can be seen elsewhere. We have 32 greenhouses, several of them devoted to Palms, Cycas, Ficus and Araucaria Excelsa. Personal inspection and correspondence solicited. Catalogue free.

THE STORRS & HARRISON CO., Box 5 Painesville, O.

HERR'S PANSIES
ARE
THE BEST.

SEED, $1.25 per 1-4 ounce.
PLANTS, $5.00 per 1000; 75c. per 100; 2,500 for $10.00.

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CARNATIONS ALL SOLD.

SEND FOR LIST OF
CHRYSANTHEMUMS
IF NOT ALREADY RECEIVED.

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Garrett Co., OAKLAND, MD.

BORDER GERANIUM MARS.

ALL PLANTED OUT.

Stock plants in the Fall at $1 50 per dozen. Place your order now. Electrotypes free.

HENRY EICHHOLZ, Waynesboro, Pa.

Rooted Cuttings and Young Plants are SOLD OUT or PLANTED OUT. You will hear from us again in the Fall, when we will have the finest assortment of FIELD-GROWN CARNATIONS in the land.
GEO. HANCOCK & SON, Grand Haven, Mich.
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The Cottage Gardens,
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CARNATIONS, CHRYSANTHEMUMS, CANNAS, GERANIUMS, DAHLIAS.
Send for our Price List.....
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IN BEST VARIETIES.

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.
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International Horticultural Exposition,
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Exhibits for the continuous display in the halls received at all times. Applications for space at the special exhibitions must be received 14 days in advance.

Cleveland.

BUSINESS DULL.—FLOWERS NOT PLENTIFUL BUT SUFFICIENT FOR DEMAND.—THE PICNIC —A FLORIST TO RETIRE.

Business has been reported dull everywhere lately, there being nothing doing save some funeral work occasionally.

Flowers are not very plentiful, though amply sufficient for the business doing in most cases. Sweet peas have not done very well this year with many growers. The hot dry weather when they first began to bloom, shortened the stems very early and later rains so far seem to only have affected the texture of the flowers unfavorably without helping them appreciably in other ways. Asters are blooming both inside the greenhouses and outdoors. They are of fairly good quality.

The florists held their picnic July 28, at Concordia Park, about a hundred being in attendance. The day was very pleasantly spent playing quoits, bowling, with other amusements, to say nothing of satisfactory attentions to the wants of man's internal organization.

P. N. Soetga has announced his intention to sell out his establishment on Cedar avenue and retire from business.

A.

Allentown, Pa.

"Old Sol" seems to be doing it with a vengeance; the streets are deserted and business is practically at a standstill. Notwithstanding the unfavorable present conditions the outlook is decidedly encouraging, all indications pointing to a revival of business prosperity. The general activity noticeable in all industrial branches for the past week or two is by no means lacking with the florists. Improvements of one kind or another seem to be the order of the day, and everybody is apparently getting ready for the coming harvest.

Mr. John F. Horn, successor to Kratz, Shelly & Co., contemplates remodeling his plant located at Rittersville, on the Allentown and Bethlehem road. Ventilating apparatus of the best kind will be introduced in all the houses, besides many other improvements. With the addition of two houses, which Mr. Horn contemplates building, he will have a total of 15,000 feet of glass. His houses will be especially adapted for roses, carnations and chrysanthemums, and of these he will grow none but the best varieties extant.

Mr. A. B. Elsworth is enjoying an outing at the seashore.

HOMO.

Wilkes-Barre, Pa.

Mr. I. G. Marvin has in course of erection three additional houses, each 100x18.

Mr. Marvin's second floral store on Market street is a model, the like of which it would be hard to point out in any other city. The ceiling and walls are lined with the finest French plate looking glasses, the floor is tiled and the counter —a most elaborate affair—is of the finest Italian marble, the sides being tiled. This store needs to be seen to get some adequate idea of its general attractiveness. A dozen or more incandescent lamps imbedded in the ceiling furnish "brilliant illumination."

Mr. Wm. Humphrey, of Eldridge & Co., has returned from a week's trip to New York City. Mr. Humphrey's young roses and chrysanthemums are doing well and from all appearances he will be well prepared to meet all demands for cut flowers.

HOMO.

ROSE HILL NURSERIES.

1000 METEOR ROSES, 3 1-2 inch pots, extra fine.....$8.00 per 100
FRESH PALM SEEDS, Kentia Belmoreana.....$7.00 per 1000
Seaforthia Elegans.....$5 00 per 1000
SWAINSONA GALEGIFOLIA ALBA, 4-inch, extra strong.....$15.00 per 100

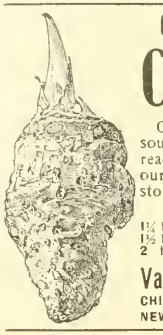
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Carefully cured, with sound center shoots, now ready for shipment from our New York or Chicago stores.

SIZES and PRICE:
1¼ to 1½-inch, $5 50 per 100
1½ to 1¾-inch, $7.50 per 100
2 to 2½-inch, $10.00 per 100

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PALMS. ROSES. FERNS.
17 PALMS, 3 to 4-in., of best vars., and 2 FERNS for $3.00. Per 100
MONTHLY ROSES, 2-inch $3.00; 3-inch....$5 00
A. CUNEATUM (Maidenhair fern), 3-inch.. 5.00
4-inch $8 per 100. Clumps from bench.....12.00
Plants, Labels, Moss, Mailing and Express Boxes. Florists' and Nurserymen's Supplies.
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25 leading varieties.....$1.50 per 100; $14.00 per 1000

FERNS,
3-inch, ready or 4-inch shift.....$6.00 per 100

HYDRANGEA HORTENSIS,
rooted cuttings.....$2 50 per 100

CARNATIONS.
All planted in the field. Write early for field-grown plants.

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2-inch pots.....$3.00 per 100
Ready the end of August.

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ESTABLISHED PLANTS FOR BENCHING.
Glory of Pacific, Lady Fitzwigram, Autumn Bride, Wm. Simpson, $4.00 per 100.
Marion Henderson, Marquise de Montmort, Yellow Queen, Geo. W. Childs, Mme. Felix Perrin, Mutual Friend, Pink Ivory, Lady Playfair, Georgiana Bramhall, E. Daille-douze, Helen Bloodgood, Mrs. Jerome Jones, $3.00 per 100.
Deduct 50c per 100 on orders of 250 plants and over.
Also a complete line of Anemones, Pompon Anemones, Pompons, '97 Novelties, and Hairy Varieties.
Send list of wants for lowest cash price.
NATHAN SMITH & SON, Adrian, Mich.

2500 SMILAX.
Strong, and once sheared, $1 50 per 100; $12.00 per 1000. The lot for $25.00.

25 PALMS.
Large and medium sized, assorted, cheap to close out quick.

2000 Carnations.
SPLENDID, in September. Write for estimate on what you want.
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A Palm Collection for $5.00.

12 Latania borbonica, 4-inch, good plants.
12 Areca lutescens, 3-inch, "
4 Seaforthia elegans, 5-inch, "
4 Corypha australis, 5-inch, "
2 Sago, nice leaves, 6-inch, "

34 GOOD PLANTS FOR $5 00.
CASH WITH ORDER.

Want to Exchange 600 good 4-inch Brides, extra fine, for strong pot grown Marie Louise Violets.

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3-inch..... 8.00 per hundred.
4-inch.....10 00 per hundred.
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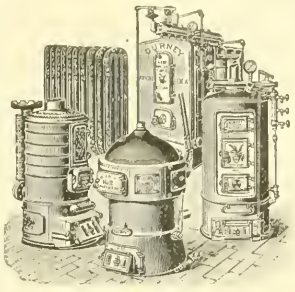
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Every plant grown in it, thrives without earth.

LIQUID.
The best, safest and cheapest Fertilizer sold.

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SCOLLAY'S PUTTY BULB, 85 cents each.
VAN REYPER GLAZING POINTS, per 1000, 60 cents; by mail, 75 cents.

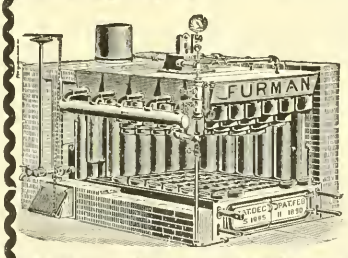
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2 feet	$ 5 00 per 1000
3 feet	7 50 "
4 feet	9.50 "
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Orcas, Wash.

We are having a lovely summer and crop conditions all over the state are very good. Bulb growing here is a marked success. The per cent. of bloom from Orcas 5th generation is higher than any imported from Holland last season, have grown tulips measuring 8½ inches in circumference, hyacinths measuring 9 inches around them and each had five blooms from one planted last fall. These were Orcus bulbs. Had dozens of yellow crocus with 20 blooms from one planted last fall.

Have just cut my experimental patch of Dwarf Essex Rape seed from seed drilled in June 1, 1896. This seed is also a success in the mild winters of West Washington. These plants had from 50 to 100 leaves on in November last two feet long, and the seed stalks were 8 feet high in bloom. Commenced to bloom April 15 last and ripe July 17. Seed very fine quality and large yield.

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Size of Boiler.

We have a chance to buy a 45-horse power boiler and stack very cheap but we will need only a 25-horse power. As we will have to buy a new boiler any way will it be economy to buy the larger one? We have only 5 000 feet of glass and coal costs us $1.50 per ton.

SUBSCRIBER.

The above is referred to me and while I don't assume to know as much about heating with steam as I do with hot water, my answer would be by all means purchase the 45-horse power boiler, for the following reasons. If you are going to get it very cheap it will cost you probably less than a new 25-horse power. Then again there is nothing like having some reserve power in extreme cold weather. You will in all likelihood increase your glass in the near future and you will have boiler power enough for double the size of present establishment. Your coal is so low in price that you can afford to use up a few more tons than you would with a smaller boiler and in cold weather you will use up no more. For all of the above reasons I strongly advise the purchase of the large boiler.

W. SCOTT.

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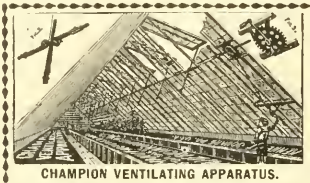
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MANUFACTURERS OF
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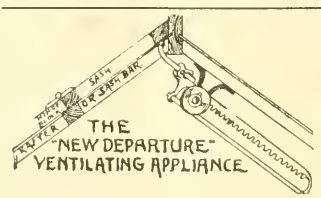
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Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.
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Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.
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SYRACUSE POTTERY CO.
Manufacturers of
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OUR Flower Pots are standard measure and all first-class and we assure you they will give good satisfaction. We call your attention to our new pots, 6, 7, 8 and 9-inch, called the "Poro Pot." They are more Porous than any pots, smoother inside and outside, perfect drainage, and are easily washed and cleaned. Give them a trial and you will not want any other. Remember, these Pots are as cheap as any other Pot on the market. Write for price list.
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IT'S EASY
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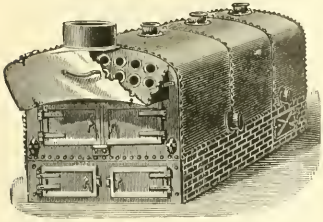
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right from the manufacturers. Before buying pots write to us for Special Prices and Discounts. Our pots are red in color.
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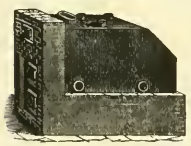


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UP TO 32 FEET IN LENGTH OR LONGER.
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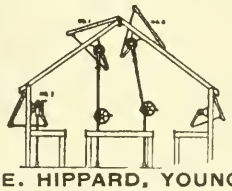
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With this bar you can make a roof that is absolutely free from drip, and glass cannot be torn out by the wind. Butted glass makes a tight roof, a warm house and saves fuel. It lasts longer, looks better and costs less than the old-fashioned roof. But do not think that this is the only bar we sell, for it is not; we furnish what people want and there is nothing in greenhouse material that you cannot get from us, and all of open-air-dried Cypress clear of bright sap, stained sap, knots and all other defects.
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Write for Circulars or Estimates.
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Natural Gas Made Glass
FOR GREENHOUSES.
Write for latest prices.
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NONE EQUAL IT IN Strength AND Durability
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NOTHING Flimsy OR Complicated about it.
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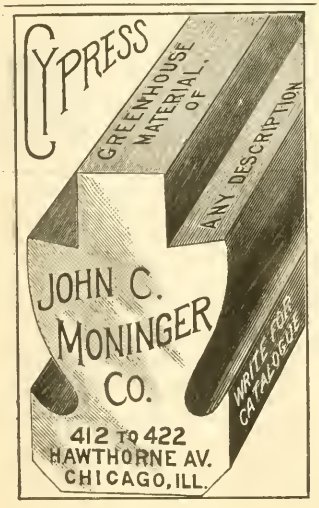
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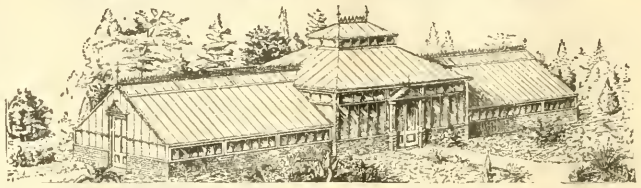
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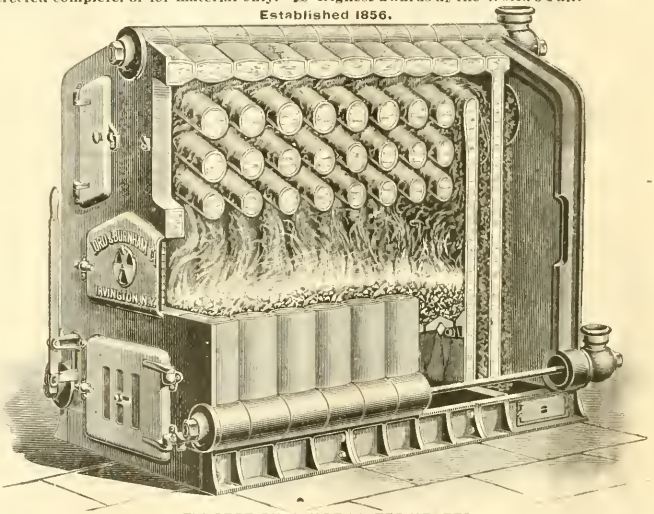
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THE AMERICAN FLORIST

A WEEKLY JOURNAL FOR THE TRADE

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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The Thirteenth Annual Meeting

— OF THE —

SOCIETY OF AMERICAN FLORISTS

— WILL BE HELD AT —

PROVIDENCE, R. I.,

AUGUST 17, 18, 19 & 20, 1897.

Members may remit the annual dues ($3.00) to the secretary prior to the meeting thus avoiding the crowd and relieving the officers on the opening day. Badge for 1897 will be sent by mail to those who remit in advance of the meeting.

Intending members can obtain any information wanted by addressing the secretary.

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ADAM GRAHAM, Cleveland, Ohio, president; FARQUHAR MACRAE, Providence, R. I., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer.

The Old Stone Mill of Newport.

The oldest building in the New World built by people of the Old World is the so-called "Old Stone Mill of Newport." Its history is still, and probably ever will be, shrouded in mystery. We know today more about what it is not than what it is.

In a popular and well edited history of the world by an American author, published as late as 1885, I am surprised to find the fallacious theory that the old edifice is a relic of the Norsemen directly implied in the text. That is a great mistake; we may be quite sure that the old Northern Sea Kings never saw the old mill, nor had anything to do with it. The best historical authorities conclude that it belongs to a much later period than that of Norse discoveries, and the Danes claim that it is the work of their ancestors.

But it has never been conclusively demonstrated for what purpose the building was erected; once it served for a mill, and once as a storehouse for hay; but what its original use was remains as much of a mystery as its subsequent



THE OLD STONE MILL AT NEWPORT.

history. The poet Longfellow has woven about the old tower the romance of an old Viking lover; in his "Skeleton In Armor" he makes the Viking say:

> Three weeks we westward bore,
> And when the storm was o'er,
> Cloudlike we saw the shore
> Stretching to leeward;
>
> There for my lady's bower
> Built I the lofty tower,
> Which, to this very hour,
> Stands looking seaward.

But the testimony of poetry is one thing and that of "cold and calculating" history is quite another; and although Palfrey's *History of New England* and Mason's *Reminiscences of Newport*, both written many years ago, sustain the foundationless theory that the old tower was built by the Norsemen, the later historians ridicule the idea.

Professor Rafn in *Mémoires de la Société Royale des Antiquaires du Nord*, for 1839, says: "On the ancient structure in Newport there are no ornaments remaining which might possibly serve to guide us in assigning the probable date of its erection. That no vestige whatever is found of the pointed arch, nor any approximation to it, is indicative of an earlier rather than a later period. From such characteristics as remain, however, we can scarcely form any other inference than one, in which I am persuaded that all who are familiar with old northern architecture will concur, that this building was erected at a period decidedly *not later than the twelfth century*. This remark applies, of course, to the original building only, and not to the alterations that it subsequently received; for there are several such alterations in the upper part of the building which can not be mistaken, and which were most likely occasioned by its being adapted in modern times to various uses; to these times may be referred the windows, fireplace, and

apertures made above the columns. That this building could not have been erected for a windmill is what any architect will easily discern."

It is of course perfectly evident that the round arch style of architecture in the old building connects itself unmistakably with what is designated as Saxon or Norman architecture, which was in vogue as late as the twelfth century. A moment of comparison between the splendid round arches and massive pillars of Durham Cathedral and the arches and pillars of the "old mill" reveals, if I may be allowed to use the expression, a striking family resemblance. There can be no doubt whatever that the old building antedates the discoveries of Columbus.

John Fiske says, in his *Discovery of America*, "Ingenious antiquarians have now and then tried to prove more than facts will warrant. * * * And when it was attempted, some sixty years ago, to prove that Governor Arnold's old stone windmill at Newport was a tower built by the Northmen no wonder if the exposure of this rather laughable notion should have led many people to suppose that the story of Leif and Thorfinn had thereby been deprived of some part of its support. But the story never rested upon any such evidence, and does not call for evidence of such sort. There is nothing in the story to indicate that the Northmen ever founded a colony in Vinland, or built durable buildings there. * * * On the contrary, our plain, business-like narrative tells us that Thorfinn Karlsefni tried to found a colony and failed; and it tells us why it failed. The Indians were too many for him. The Northmen of the eleventh century, without firearms, were in much less favorable condition for withstanding the Indians than the Englishmen of the seventeenth; and at the former period there existed no cause for emigration from Norway and Iceland at all comparable to the economic, political and religious circumstances which in a later age sent thousands of Englishmen to Virginia and New England."

So we must give up any notion that the old mill is an architectural relic of the old Vikings. At present the extremely scanty historic records of American settlements previous to the time of Columbus precludes the possibility of knowing anything definite and thoroughly reliable about the old tower. The question still remains: Who built it, and what was it built for? There it stands, an enigma, like the Egyptian Sphinx; an intensely interesting historic interrogation point.

F. SCHUYLER MATHEWS.

Rhododendrons on the Estate of Mr. H. H. Hunnewell, Wellesley, Mass.

The beautiful grounds of Mr. Hunnewell at Wellesley have been visited by hundreds of the readers of the AMERICAN FLORIST, and the fame of the place, its proprietor and his talented gardener, Mr. F. L. Harris, extends beyond the sea. Mr. Hunnewell has undoubtedly done more than any other person to popularize the rhododendron in America. None has studied the rhododendron so thoroughly, none loves it more. For many years all the promising novelties have been imported and tested, watched and cherished under his eye as though they were his children. At the annual rhododendron exhibition in Boston upwards of one hundred dollars in premiums are awarded each year from the income of a fund which Mr. Hunnewell has given for the encouragement of rhododendron and hardy azalea culture.

The greatest disappointment to the rhododendron fancier has resulted from the introduction of varieties not sufficiently hardy to withstand the extremes of our climate, tempting in the beauty and delicacy of their color, but with an insufficient proportion of the hardy Catawbiense blood in their constitution, or, as is frequently the case, grafted on the ponticum stock, which is all right for England, but valueless here for exposed planting. The buyer should beware of misleading lists of so-called hardy sorts. In another column we give a list of varieties which Mr. Harris recommends as thoroughly hardy and suitable for general planting in the latitude of Boston. Among them are quite a number of fine, clear shades, and they comprise a sufficient variety and range of color to satisfy any reasonable demand.

Mr. Harris emphasizes depth of soil as one of the most essential requirements of the rhododendron. The bed should be not less than two and one-half feet in depth. The soil at Wellesley is a light sandy loam, and this with a mixture of swamp muck seems to suit them exactly. Another important point is to see that the plants do not suffer from dry weather in fall. If not provided with an abundance of moisture branches will die, buds will go abortive and the vigor of the plant will be seriously impaired. If properly cared for in this respect the rhododendron will endure a good many more degrees of frost than if weakened from lack of nourishment. One secret of Mr. Harris' success with rhododendrons and hardy azaleas lies in the fact that all flower heads are pinched off as soon as the blooms have fallen, so that no seeds are allowed to form, half a dozen men being employed at once upon this work.



RHODODENDRONS AT MR. H. H. HUNNEWELL'S, WELLESLEY, MASS.

Of all the attractions at this beautiful place none surpass the rhododendrons, which bring thousands of visitors during the flowering season. The display this year is pronounced by Mr. Harris to have been the finest on record, the season having been especially favorable for them. No description can convey an idea of the beautiful spectacle so well as the photographs which we present in this issue. Many of the plants are thirty years old, and specimens twelve to fourteen feet through are not infrequent. The beautiful specimen plant shown in one of the photographs is one of many fine seedlings raised by Mr. Harris, but never named.

The tender varieties are stored in pits during cold weather. As soon as the season opens they are taken outdoors and planted where during the flowering season they are to be protected by a tent.



RHODODENDRONS AT MR. H. H. HUNNEWELL'S, WELLESLEY, MASS

Those varieties that are tardy in blooming are kept a week or two later in a pit with a glass roof so as to advance them and bring the full display on at one time. If the plants show lack of sufficient moisture when removed from the pit the roots are thoroughly saturated with water before planting. This is done by dipping them in a large tank, a laborious job with the big plants and their heavy clumps of roots. The tent is spread over them when they begin to open the flowers, and is removed as soon as they fade, the plants being left as they stand till November 1, when they are returned to the cellars. The tent shown in the photograph covers about half an acre and is thirty feet high in the center. New canvas is required about once in two years.

The kalmias are in bloom with the later rhododendrons and make a grand show. Mr. Harris attributes the many failures in kalmia planting, as in evergreen planting, to the lack of dense fibrous roots in much of the stock purchased, and which can only be secured by frequent transplanting in the nursery rows while the plants are young. Imported plants are apt to give greater satisfaction for this reason, transplanting being systematically followed up in the European nurseries. The border of variegated Funkia japonica makes a pretty edging for the kalmias. It requires less care than grass, and being a rapid grower soon makes a dense close growth to the exclusion of all weeds.

The famous Italian garden at Mr. Hunnewell's is the most notable example in this country of this peculiar style of gardening and is pronounced equal to the best in Europe, from which it differs only in the absence of statuary, which is a prominent feature of Italian gardens. It was commenced thirty-five years ago, but many of the trees had been in course of special preparation for some time previous. It occupies a stretch of about $2\frac{3}{4}$ acres on the steep hillside overlooking Lake Waban. The trees used are white pine, hemlock, several species of arborvitæs and retinosporas, golden yews, purple beeches, junipers and the European larch. The latter is very attractive, especially in early spring, with its soft light foliage. Some of the trimmed white pines are forty feet high and banks of hemlock are fifteen to twenty feet in height. The care and trimming of these and clipping of the steep sloping banks is slow, tiresome work. Trimming the trees and hedges begins in the first week in July. The hemlocks are not trimmed till September, that being the most favorable for them. A few clumps of rhododendrons are planted at the brow of the hill, and during their flowering season are very effective in this location.

LIST OF RHODODENDRONS RECOMMENDED AS PERFECTLY HARDY BY MR. F. L. HARRIS, WELLESLEY, MASS.

Album elegans	Kettledrum
Album grandiflorum	King of Purples
Alex. Dancer	Lady Armstrong
Atrosanguineum	Lady Grey Edgerton
Chas. Bagley	Maximum Wellesianum
Chas. Dickens	
Caractacus	Mrs. John Clutton
C. S. Sargent	Mrs. R. S. Holford
Delicatissima	Old Port
Edward S. Rand	Purpureum grandiflorum
Everestiana	
F. D. Godman	Ralph Sanders
Francis Dickson	Roseum elegans
Guido	Sir Wm. Armstrong
H. W. Sargent	Rosabelle

Past and Future of the Business.

WM. SCOTT ASKS SOME PERTINENT QUESTIONS —"WHERE ARE WE AT?"—PRODUCTION AND DEMAND.—PLANT DEPARTMENT LEAST OVERDONE.—WONDERFUL CHANGES IN TASTE AND AMOUNT OF SALES.—A LOOK FORWARD.—PRACTICAL VIEWS OF A PRACTICAL MAN.

When we meet in Providence this week one year will have passed since many of us had an opportunity to exchange views personally. The time at which our convention is held is very properly a time when the least attention to business is needed and with the vast majority of florists our business is then at its lowest ebb. We should know almost accurately whether we have prospered or are worse off than in August '96, in short we should know "Where we are at." Briefly I propose to review this subject and remember gentle reader my field of observation, compared with some of yours, is limited.

Business, taking all branches of floriculture, might be considered about the same as from '95 to '96; if one department shows some increase there has been others not so satisfactory, and if the aggregate of our business has been slightly greater there have been more individuals to participate. I think it will be conceded by all who have an opportunity to come in contact with the retailer, the grower and the commission man, that for several years past and during the year just closing, the production has increased at a much faster rate than the demand.

From personal observation I would say that the least overdone part of our business is the plant department. The more humble part of our citizens are yearly showing a desire to have a few

bright inexpensive plants in their windows or in their "door yard," while people of larger means without being rich are all buying a palm, an araucaria or a rubber for the hall or sitting room. When we look back 25 to 30 years and remember that a scrubby latania, a ragged Brahea filamentosa or elongated Oreodoxa regia was the stock in trade in that line of the leading florists of many of our large cities, the present magnitude of the trade in palms and kindred plants is more than amazing and can be likened only to the evolution and use of the bicycle, and I confidently look for a steady and continuous increase in the use of this class of plants. Nor has the growth in the demand and sales of our cheaper plants been much less remarkable.

the moss was hidden; and once more think of the early attempts at a funeral design tied to a lath frame, and later a wire design. If you were to see one of those crude but costly pieces today you would not think it fit to adorn the obsequies of a favorite dog. Contrast all that with the taste, art, skill and quality of the flowers used today.

I look also forward a few years to a large increase in all departments of our business, especially in plants among a class of people who have for the past 4 or 5 years had something more important to think about than buying flowers for their friends or ornamenting their grounds. In almost every city of the Union there had been for several years up to '93, a real estate boom. It was an

"intoxicated with the exuberance of our verbosity."

Hitherto all I said has a rosy tint but with all that there is no doubt that the past 4 years production has overtaken demand and in some departments passed it. I beg to think the producers of cut flowers have been the greatest sufferers. To remedy this no one man or convention of clever men can pass a law or give advice that will be much heeded. Ours is not the only business suffering from over production. In every small industry we find people rushing in because they think there is a dollar in it. This country perhaps of all civilized countries is noted for the enterprise of its citizens but that enterprise is carried so far that if a man is seen to be making a modest living from



RHODODENDRONS AT MR. H H HUNNEWELL'S, WELLESLEY, MASS.

To attribute the enormous increase in sales in every department of our business to an increase in population would be folly, for while a city has trebled its population in 20 years its annual sales of horticultural products have increased 50 fold, yes, I believe 100 fold. The same marvelous development of taste and consequent demand and supply in cut flowers is equally stupendous and all true florists must look with pride on the progress made during the past 25 years in that, to many, most important part of our business. Whether it has been the taste of the public or the progressive art of the florist that has wrought this wonderful change I will not venture to say. To be reminiscent a moment, think of that wonderful thing of intricate construction, so carefully described in that excellent book "Henderson's Practical Floriculture" and known in those days as a bride's bouquet, or the baskets of flowers of 25 years ago which our mothers received when they sailed for Europe or held their silver wedding. The basket contained usually among its floral ornaments a dozen genera and fifty different species of flowers, in fact the more the better as long as

estate boom if it was not very real. Miles and miles of suburban territory was taken in, the owners laid out streets, and hundreds of thousands of young business men who were then apparently prosperous and saw no cloud on the horizon bought a "beautiful lot" and built for his young bride, and sometimes his old one, a lovely house costing from $5,000 to $10,000, making but a small payment on the lot and getting "assistance" as the house progressed. The bottom dropped out of the suburban real estate boom in '93 and left these worthy people little in the way of adornment to the homes except a mortgage, which usually blooms twice a year. I am concious that I am not picturing the case of a few individuals in one city but it will apply to all the land. These good people will get out of their trouble before long, for better or *steadier* times must come, and if business and wages do not return to their fond hopes and ideals, they will drop their ideals to the actual state of affairs, live accordingly and get out of debt. How our business will boom when everybody feels as they did 5 years ago could be optimistically spread out till we could become

a business in which he has had a life long experience there is a dozen ready to try their hand with full confidence that they will succeed although they may have little capital, and what is of far more importance, no previous knowledge or experience of the business; and what business is more pestered with this class of people than that of the florist. No matter whether a shoe maker has failed at his last, a blacksmith at his forge or even a preacher in his pulpit, they have been failures nigh onto middle life; all at once they learn of some florist making a living by raising flowers. "They can do that. Why it's easy, besides the work is so pleasant, and they always were fond of posies." The country is full of these people and they have had a hard row to hoe lately. They would be far better off earning moderate wages at something they understand, and if a few hundred or thousand drop out of the business it would impart a much healthier tone to the whole trade. That supremely true law "The survival of the fittest" is grandly true, and however hard it may seem on some the unfit must succumb to the inevitable. This I think is the great



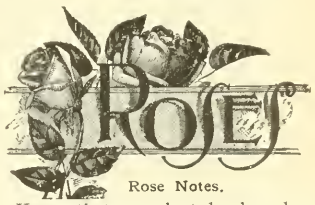
A SEEDLING RHODODENDRON PLANT 14 FEET IN DIAMETER AT MR. H. H HUNNEWELL'S.

est evil of our business, and let us trust that at least till the coming prosperity warrants it the shoe maker will "stick to his last." He produces a very second quality flower when he joins the florist ranks and gets but a second quality price for it, and when there is a surplus of flowers, which there has been the whole time for the past year (except about two weeks at the holidays) he is the first to suffer. But while suffering he has dragged down the price of good flowers for those who have paid good wages to skilled men to produce a good article. I am not unmindful of a few bright men who have left some other business and gone into horticulture, for I know a few both here and in Europe who are a shining success, but they are an exception to prove the rule. These men had the born instinct of a gardener, but did not have an earlier opportunity to show it.

Don't think me presumptuous if I offer a few suggestions to those embarked in the business and whose sales, especially through the commission man, have been anything but satisfactory this year. As the large majority of the florists have not yet joined "Debs' social democracy," nor any "North American flower growers' trust," nor any Utopian community where the industry, energy and integrity of the individual will be obliterated for the welfare of the whole colony, but supposing you are doing just what your heirs and successors will do for generations to come, viz. looking after No. 1, trying in all honorable ways to make a little more money out of your place than your neighbor, then there are one or two things you can do to help yourself. First of all go slow in building any additions unless your business fairly demands it. If your roses or violets outsold all competitors last year and the demand for them was in excess of the supply, you are warranted in building and producing more. It is not your fault that your neighbor's flowers were not so good. It was your superior skill, and what's the good of any skill if it is not of the superlative kind. But there are not many of you gentlemen in the land in this happy state I have described above. Ninety-nine per cent. of you, big and little, had a difficulty to dispose of your stock at fair paying prices and many weeks in the winter your stuff produced a very low price, and to many of you the commission man's return was often "nix." Don't get a swelled head and remember only the two or three weeks when violets and carnations brought a good price and you could have sold a few thousand more at that time. Think, before you produce any more, of the forty weeks when your flowers were a drug and you had to take starvation prices for them. There is another thing you can do to help your affairs with the same amount of glass. You can grow half the quantity and double up on quality. I was never more impressed with this fact than the past winter. Our patrons are ready and willing to pay for quality, and he that keeps it will sell it every time, and if the retailer can get a good price the grower will reap his reward. In short there has the past few years been too much poor rubbish produced and sold or given away at miserable prices.

I have no fear as to the future of the business, for it must grow and will provide a healthy and honorable living to many thousands, but go slow at present, put you whole energy and skill into what houses you have, produce the best article of its kind there is in the market and you will be happy. Hoping to meet you all at Providence, I am sincerely yours,

WILLIAM SCOTT.



Rose Notes.

Houses that were planted early and are now producing bloom may have both the growth and the quality of the flowers improved by giving them a top dressing with some suitable material. The question of mulching roses during the summer seems to be a mooted one, some growers practicing it and others objecting to it very strongly. I have occasionally seen houses not mulched, do better than those

which were, still I have always felt that to cover the benches with about an inch of nice fresh material about September, or early in October, could not be other than beneficial, and if the plants were benched in April or May the conditions will be favorable for a top dressing now. One of the advantages of a good solid bed for summer roses is the opportunity offered for the roots to get down into soil that will not be at a temperature of 65° one day, and 165° the day following as a result of sunshine, or the absence of it, as is often the case with the small amount of soil on a shallow bench. Some growers use as a summer mulch old mushroom manure, or anything of like character, containing little that is stimulating, but serving the purpose of keeping the soil cool and preventing a too rapid drying out, and where such material can be had it may be used to advantage very soon after planting.

For mulching summer blooming stock or to use later in the fall I prefer a better class of material, which will not only tend to minimize the evaporation, but also furnish additional food for the plants. Well rotted cow manure is the material generally recommended, but I have been better satisfied with the results when we have used a mixture of half manure (which may be either horse or cow, only it is well rotted) and half of good soil. All manure is apt to lie too close at first, but when it has laid some little time gets dry and hard and is of little value. On account of the ammonia that it contains there is always a certain amount of risk involved in the use of manure only as a mulch; many a careful grower has had to endure the chagrin and mortification of seeing the foliage blacken and fall after an application of manure that was considered all right, but proved too strong and fiery; there is hardly any danger of burning, however, when it is mixed with an equal quantity of soil, as the latter absorbs and retains the surplus ammonia instead of its escaping into the air.

If we have reason to think the soil is deficient in potash we usually give a light sprinkling of wood ashes before applying the mulch, and if phosphoric acid is needed, a little fine bone meal will supply the need.

Florists as a rule have their hands full all the time, and have so many things claiming "present attention" that the needs of the future are frequently not provided for at the proper time, and when we are ready to mulch it often happens that there is no suitable manure in sight, so we must either pay 50% more for the material because of urgency, or do without it altogether. It takes a clever man to look ahead and be always on time, but such a man will have a much easier time than he who spends half his energy in framing excuses for being behind his neighbors.

Hybrids: Many growers aim to have in a batch of these for the holidays, but they generally succeed about as well as those who try to force tulips for Christmas. Certainly a few good blooms are seen occasionally at that season, and we hear a great deal about so and so's fine Jacks or Brunners, and the fancy prices paid for them, and everybody intends to have some another season, but we seldom hear a word about the houses started for Christmas which proved failures; we like to talk about our successes but we are generally mum in regard to our failures. To those who may be thinking of trying for big things this year I would offer a word of caution. If they haven't tried it before, they will find out that while it is child's play having Brunners for Easter, it is no small thing securing salable blooms for Christmas.

In the first place it is of prime importance that you have a good, light and warm house for early work, and it is no use attempting to force hybrids for Christmas unless they have completed and matured their growth; those full of soft immature shoots will not pass safely through the ordeal of drying and ripening. Pot or bench grown stock is the only kind available, box plants are out of the question, and it will be necessary to have them pruned and started by September 15, in order to be in bloom by December 15, and the resting period will take up about six weeks, so it is evident that they must have been kept dry at least two weeks when these notes appear in print. I am not an advocate of severe drying, as I think it hurts the roots to such an extent that when they are pruned and started they lack the necessary vitality to make a strong and vigorous break, and without it there can be no choice flowers.

I think that with good stock to start with the battle is half won when we have succeeded in bringing them through the resting season without any shrivelling of the wood or injury to the roots; still there must be a genuine rest, a cessation of growth and a ripening of the wood, or our labor and expense will go for nothing. The only way to accomplish this will be to ventilate as much as possible, keep the soil just dry enough to arrest growth, but not so dry as to exhaust their vitality. In hot weather it is no easy matter keeping the proper balance, and as no guessing or half way measures will answer, if we are not prepared to give them the closest attention it were far better for us to not try the experiment at all. ROB'T SIMPSON.



Carnation Notes.

In my last notes I wanted to impress on my readers the advantages of having the houses ready in time for planting so as to be in a position to take advantage of the first favorable weather that may present itself. We hear so often in the fall and early winter when a house does not look at its best, that the plants were caught in a hot spell during or right after transplanting. We all know the injurious effects of such a time, and how quickly a favorable opportunity may be lost when a house is yet to be prepared. The few cool days that may have helped the plants to become established are very valuable time lost.

Again we often hear the remark during the time of field culture that plants did not grow, for the weather was too hot for a time. Now if plants will not grow in the field when fully established in hot weather, how can fresh transplanted plants be expected to do so in the house at such times. With all the precautions, as shading and watering, when the temperature outside is above 80° in the shade, fresh transplanted plants will suffer inside. There is no more action in the plants than in a cut spray placed in water, and the draft of evaporation through the leaves is rather increased in the inactive plant. Otherwise when only under the helpful influence of a cool atmosphere for two or three days, the plants may have passed the critical point, that is root formation may have commenced, the plants are active again, and are better fortified against unfavorable conditions that may follow.

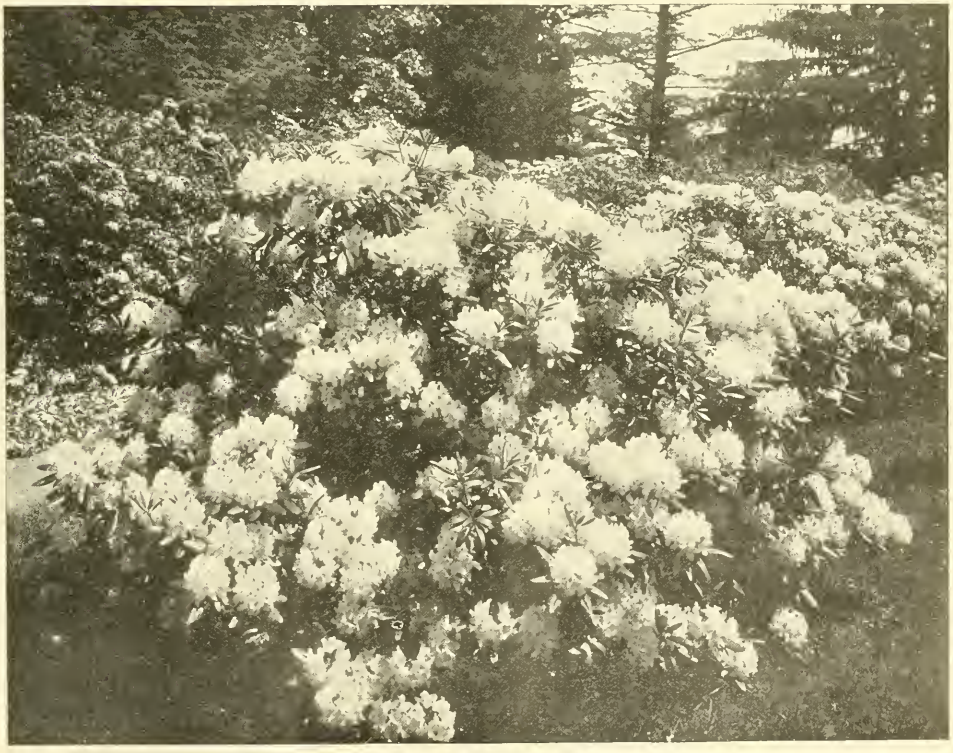
I am in favor of early planting providing it can be done in a temperature of not over 75°; if lower so much the better. In a temperature of from 60° to 65° plants will recover quickest. I do not care so much whether the weather is moist or dry, rain or sunshine, only cool; beyond that things can be regulated in the houses. There is no gain in early planting when it is done in hot weather. Often plantings made two to three weeks later but under favorable circumstances will outgrow the first. Therefore I say again, be prepared and watch your chance. The transfer from field to house, the precautions to be observed to be successful, have so often been enumerated and described that I will touch only on the principles of this work. How the different parts are worked to the best advantage, hints and descriptions have been given in former notes and often one has a better way to do a certain work than he is advised to do.

When a house is ready and cannot be planted at the desired time, keep the soil moderately moist, ready for planting at any time. I object to planting in dry soil as much as to smear the plants in mud, for the moisture on the roots is quickly absorbed by the dry soil and may result in injury before the subsequent watering will reach the roots. And if the soil is kept moderately moist, one may have a chance to destroy a crop of weeds, that later on has to be done between the plants.

When transplanting the first principle is to guard the plants against the draft of evaporation, to retain a balance between the injured roots and the uninjured leaves. Plants torn out of the soil receive the most severe check possible, for with the most careful lifting we break and tear the roots and only about half of them can be saved; and when ever so carefully planted again, the plant is unable to stand the draft of evaporation when not protected. We have to balance the diminished injured roots with the full supply of sound leaves by lessening the evaporation therefrom to enable the plant to hold its own and repair the injured roots. This makes it necessary to reverse conditions for a short time, and effect a change to the normal again gradually. We have to shade where otherwise we give the full light; we have to keep the house closed or nearly so, where we gave a full supply of fresh air; we have to keep the air and foliage moist, where we intended to keep it dry. We reverse all these conditions to lessen the evaporation through the leaves, and help to maintain a cool atmosphere that is so beneficial to the carnation at all times, and doubly so at this time for repair and recuperation.

I have said above that the change to normal should come gradually, for as soon as the plants show signs of growing, were the condition of the house kept the same it would result in injuring the plants as much as it had sustained them before. As the balance between roots and leaves becomes more equalized the condition of the house should change so too. The shading should be of such a character that it can be easily removed. We generally use a mud wash. The ventilators should





RHODODENDRONS AT MR. H. H. HUNNEWELL'S, WELLESLEY, MASS.



RHODODENDRONS AT MR. H. H. HUNNEWELL'S, WELLESLEY, MASS.

be kept open at night and gradually more air given during the day time. Syringing should also be done more sparingly. With us when the plants are once established it ceases altogether for the whole season. After the first copious watering be careful that the soil does not remain too wet, for such a condition will retard root action. The syringing that the plants will receive after the first watering is generally enough for the soil until more air and light is required. Our efforts are gradually turned in the opposite direction and should be just as strong to guard the plants from growing too soft and open the door to disease, as it has been to protect them from wilting and drying out.

Other precautions are to guard against the drying out of the roots in the transit from field to house. If the distance is far lay some wet moss in the boxes for the roots to rest on. Every small fibrous root saved is so much less for the plant to replace. The least delay that may occur between lifting and planting is for the benefit of the plants.

The housing of the plants is always as much dreaded, as it is an ordeal for the plants, but judicious care will always be rewarded with success. To a person not familiar with plant life it may seem that with an abundance of water a plant can overcome everything. Plants need water but they can not live on it, neither can they mend any breaks and bruises with water. The first action, or I may say the first impulse, of a newly transplanted plant is to form new roots and take a fresh hold of the soil to enable itself to take up nourishment and continue its interrupted growth. The material to form new roots comes from the plant just as from a cutting placed in the sand to root, providing its surroundings encourage and sustain it to do so, and not from the nourishment in the soil; for the organs to take up nourishment were destroyed in lifting the plant.

Now there are other powers in plant life that may come into play and retard root formation. It is nature's law of reproduction to mature seed, when you leave any half formed buds and flowers on the plant. In the crippled condition the plant is in we must not expect too much; if its strength is divided all will suffer. Our first object is to establish the plant, and then let it bloom. The few buds will never amount to much and are better removed before planting, to give the plant a chance to concentrate all its strength in the formation of new roots. We remove all buds as fast as they appear on the plants in the field, unless we care more for the flowers than the plants.

It is almost needless to add that the plants should be thoroughly cleaned of all decayed and diseased leaves. A rigid adherence to this work may save much vexation and trouble afterward.

FRED. DORNER.

Nitrate of Soda for Carnations.

How much nitrate of soda should be used to ten gallons of water in watering carnations? S. J.

I have never used any nitrate of soda on carnations and can not speak from experience. I would like to hear myself from other growers that have had experience with it. I did use it once on chrysanthemums and the results caused me to avoid it altogether. I rather believe it may have a tendency to affect the color of the flowers, making them appear washy, and making the texture soft, thus affecting their keeping qualities, but I may be mistaken. Undoubtedly mixed with other manures, especially stable manure, it will prove of value. My advice would be to use it in a mild form in a mixture of liquid manure. FRED. DORNER.

Sweet Pea Novelties.

As the sweet pea season is again upon us a few words regarding the novelties will not be amiss. Of Eckford's '97 set I will say that we have got several very beautiful new varieties, all of which will undoubtedly become standard sorts, both for cut flowers and other purposes. For instance in Prima Donna we have got a grand new pink. The color is self and very soft. The form and size are perfect and it is of robust growth. It very often has four flowers to the stem. We believe it will become the standard pink sweet pea for cut flowers.

Mars is another beautiful creation of Mr. Eckford's and is undoubtedly the finest crimson up to date. It has a good form and fine size. The color is bright firey crimson and deepens somewhat with age, and like all other crimsons burns somewhat in the sun.

Coquette is another grand flower of large size. The wings are a clear primrose yellow while the standard is a pale lavender. It has proven itself to be a very free bloomer and is sure of a permanent place in the list of sweet peas.

Lovely is of a very pleasing shade of pink. It has not as yet got the hooded form but its large size and pleasing combination of color has won it much praise. Standards are of a blush pink and the wings of delicate rose. The flower is very pleasing when bunched.

Countess of Shewsbury is a great disappointment in every way. In the first place the flower is very small and of poor shape and secondly the color is not at all pleasing. The standard is of a soft rose with clear white wings. It is quite prolific but is hardly entitled to be placed among the list of good sweet peas.

Royal Rose, unlike the last described variety, is a very grand thing. The flowers are of extra good size, in fact it is one



TENDER RHODODENDRONS UNDER TENT AT MR. H. H. HUNNEWELL'S

of the largest sized sweet peas we have and the color is most pleasing. The standards are of a deep rosy pink and the wings a lighter shade of rosy pink. It is a great improvement over Apple Blossom and when bunched produces a very charming effect. It is destined to become a popular cut flower variety.

I will now add a few remarks concerning Eckford's set of '98 novelties, or the varieties he is to introduce to the trade next season. Of course this being the first year that we have seen them in bloom, and being their first year in California soil, I will not attempt to draw any definite conclusions but will state how the different sorts behaved this year with two of our leading seed growers.

Countess of Powis is described as the grandiflora form of orange salmon but from its conduct this season we can see no improvement whatever over Meteor. One thing is certain that it shows no grandiflora form and no improvement in form or color although it is probable that with another year's cultivation it may develop into what Mr. Eckford claims for it.

Lady Nina Balfour is a very soft delicate lavender. The form and size are very good. This being its first season it did not germinate very well but that will in all probability be overcome in another year's growth. It seems to shade into a dove grey with age.

Prince Edward of York also has not come up to what is claimed for it. The shape is poor and seems to be no improvement over the old Princess Victoria. The color is light scarlet and cerise. Like the other sorts which have not proved to be anything extra good it may prove better another year.

Queen Victoria is undoubtedly the finest of Mr. Eckford's advance set. It is a rich primrose cream of the largest and finest form and possesses great substance. Another thing in its favor is that it is black seeded. Heretofore all the primrose yellow sweet peas were white seeded, which did not at all help their germinating powers. The germination of this variety was perfect with us this season. It will probably become the leading primrose yellow and will be much admired when thoroughly known.

Salopian is probably the latest advance which we have in crimson sweet peas. It has proved of much better form and larger size than Mars and holds the color much better in the wings. It is a very robust grower and produces a large quantity of beautiful self colored flowers and when thoroughly known will take first rank in reds.

Shahzada is undoubtedly the nearest approach to the black sweet pea that we have seen. It is of the deepest indigo black and of fine form. It also gives promise of becoming one of the largest flowered sweet peas.

Triumph has proved a disappointment and nowhere can we see any improvement over existing pink and whites. It has good size but poor form. It is a very robust grower and a good bloomer.

As I stated before these may be better flowers next season but the above lines will give an idea of how they were in California during the present season. California is to send out again this season some new varieties of sweet peas which will prove as good as the best Eckfords. C. C. Morse & Co. have five new varieties of which I will add a brief description of each.

One is an improved Meteor and it truly is a great advance on that good variety. Countess of Powis is supposed to be an improvement on Meteor but this new variety is much better than either. It is the most brilliant salmon color I know of. The color is much deeper in the standards than in the old Meteor and holds the color better. It is not so liable to burn as the other sorts and is much larger. We think this ought to prove a standard sort as we have plenty of room for good orange salmon colors.

Another is a beautiful creamy primrose after the style of Queen Victoria. The color is primrose with a very pale pink blush and fades to just a suggestion of pink on the edge. The size and form are all that could be desired and it is a very robust grower and prolific bloomer. It will also become popular when thoroughly known.

Another, being an improvement on Lady Penzance, is to be put on the market this season. It possesses all the good characteristics of that popular variety but is of a much better color and larger size. It seems to be stronger than Lady Penzance as it does not burn so much as that variety does.

They also have a very beautifully striped variety. It is a pale blush stripe on a primrose ground. The stripe is in both wings and standard giving it a very soft effect. It has the improved form, is of large size and as it is a new thing in stripes will be much admired.

A very much improved Alice Eckford, or I may add, a selection from that variety, was seen in full bloom. It has much better size and form than that variety and it is very hard to find a stem without four flowers. It is very prolific and a valuable novelty.

At Mr. M. Lynch's place at Menlo Park we found three valuable new sweet peas which will go out to the trade this fall. The gem of the set will, without any doubt, be his new white, the Bride. This is a beautiful large white-seeded white which Mr. Lynch has been selecting for over four years. It is a pure white selection from Mrs. Eckford and is the strongest germinator among all the white seeded varieties. During the past season it has brought the highest figures over all other white sweet peas in the San Francisco market. It will undoubtedly take first place among all white sweet peas.

Emily Lynch is a selection from the Duke of York but is much larger and has the improved form. It is of very rich effect and is claimed to be the earliest sweet pea in existence. Mr. Sam. A. Hamilton, the well known sweet pea expert, says that he thinks with proper cultivation it will bloom two weeks ahead of extra early Blanche Ferry, which fact alone will make it a very valuable novelty.

California is a very soft, self pink, being of the color of the Daybreak carnation. The form and size is splendid and it is of a very distinct shade, being probably the lightest self shade we have. It is a very much admired variety.

Our leading growers are having a hard time of it to hold some of the newer varieties to the original type. Countess of Aberdeen, for instance keeps running off into different shades of pink. Royal Robe does the same thing. We have had them selected from a single plant and in a year or two they are again mixed with different shades. Mikado also has a tendency to go back and the growers have to keep a very watchful eye on other sorts or they would behave the same.

Aurora, which came out this season, has done splendidly and is very popular, and another thing is that it holds very well to the type.

The new Blanche Ferry Cupid which is to be sent out this fall, has done splendidly. Its germinating powers are just as good as those of the tall growing Blanche Ferry and the flowers are as large if not larger. A row of it placed alongside of the white Cupid makes a very pretty effect. It is just as early as Blanche Ferry, which will make it more popular. People who found fault with Cupid on account of poor germination will be well satisfied with this valuable acquisition. JAS. T. LYNCH.

House for Mixed Stock.

I wish to erect a small greenhouse, say 20x50, three-quarter span. The ground being dry and very gravelly I wish to sink the house so the lower walk will be about 3 feet below ground level. I want to have brick walls running to the surface, and to divide the house by glass partition in the middle so that one end can be run cooler than the other.

I want to grow a mixed greenhouse stock in warm end and 'mums followed by temporary benching for lettuce, radishes, geraniums, cinerarias or anything that grows rather cool. I would like an estimate of cost of such, plain and substantially built with proper height and dimensions in general. I want to heat by hot water. What depth should furnace pit be considering that the house is so far in the ground, and what size should potting shed be to be convenient? Any other advice or suggestion will be thankfully received. AN OLD SUBSCRIBER.

"Old Subscriber" does not say which way his house runs, whether north and south or east and west, but as it is to be three-quarter span no doubt the ridge will be east and west, and the long span face south, or what is a little better, a few points east of south.

To begin with, for a house of these dimensions I do not approve of the three-quarter span roof. No doubt it is a fine style of house for roses, but "Old Subscriber" wants his house for mixed plants.



LAURELS ON THE ESTATE OF MR H. H. HUNNEWELL, WELLESLEY, MASS.



THE ITALIAN GARDEN ON THE ESTATE OF MR. H. H. HUNNEWELL, WELLESLEY, MASS.

The three quarter span is more costly to build, needs more expense in benching and is not so convenient to heat. If the south sash bar is 12 ft. and the north bar 11 ft. it will throw the centre of roof just north enough to allow the centre iron support of roof on the north side of middle path.

The idea of going down 3 ft. into the earth with the house is no doubt to save heat. It may do that to a small extent, but as the walls are to be brick the saving of heat will be trifling. If the floor of house is 3 ft. below grade of surrounding surface you will have that 3 ft. to descend and ascend every time you enter the house, besides the great inconvenience of taking out and in material, soil, etc., so, as my advice is asked, build the walls both north and south, 4 feet 6 inches high. Don't go down below grade one inch, and let the sash bars be 12 ft. on south side and 11 ft. on north; this in a 20 foot house will give you two benches of 6 feet 6 inches each and three narrow paths, one against each wall and one in center. There will be no benches against the walls; it is no place for them, but on the walls will be your heating pipes, the right place for them.

Notwithstanding that it is occasionally asserted that you can place a hot water heater on the same surface as greenhouse and get satisfactory results, all experienced men know that it is much better to have your boiler 6 feet below the surface of greenhouse. This is not theory; I know it for a certainty.

If the house runs east and west let your shed be on the west end. If it is the only shed on the place let it be as roomy as possible; you will need it for pots, soil and many other things. It should be at least 20 ft. long and 16 ft. wide. If you can afford to excavate 6 feet deep under the whole of the shed the space will come very useful, for there you can put in your winter's supply of fuel.

The partition running across the house is all right, and the heat can be regulated by the number of pipes in each compartment. Let the warm end be next the shed and have the means, by valves, of shutting off heat entirely from the cool or east end.

The height of this house from ground level to ridge pole will be about 10 feet 6 inches. The cost per running foot all complete ready to use will depend largely on what ability "Old Subscriber" puts into the construction himself. I have seen right in my own neighborhood a 20 foot house cost $20 per running foot that was not worth $8 simply because the builder knew nothing about greenhouse building. Built of strong cypress bars, with good wooden walls, double thick glass, and heated with 1½ and 2-inch pipes, this house should cost about $10 per running foot. With brick walls it may cost $2 or $3 a foot more.

For heating use 2-inch pipe for flows and 1½ inch for returns, and hang them on the side walls where they are easily put up, do the most good, and are easily got at in case of any alterations or repairs. Don't let any one persuade you to put the pipes above the plants, or what is called overhead heating. I did it to my great sorrow, and those who still advocate that system have wheels above their shoulders.

W. SCOTT.

Odontoglossum Crispum.

This odontoglossum has been aptly described as the "Queen of Orchids" by one who has done more for orchid culture than perhaps any other man, and while it may be taken exception to by some, if applied literally, it certainly does not overpraise this beautiful species. Fickleness is not usually regarded a virtue, but the term might almost be applied to this fine old orchid in that no two have yet been imported that were alike. The spotting on the flowers varies on each individual bloom on the spike, and some varieties that come pure white one year will be spotted the next year, but all these uncertainties add to the interest to the cultivator, especially if his plants be newly imported from the woods in which they grow. The specimen flowers illustrated are from a plant that has invariably proven pure white, and while this is not a rare occurrence it adds to the value of the plant considerably.

Odontoglossum crispum is from the Andes of South America and requires the coolest possible treatment under cultivation in summer. A house with a north exposure, such as one devoted to propagating in winter and ferns in summer, would grow them well with plenty of air and moisture nearing the saturation point, with a temperature in winter of about 50°, for as the growth is mostly made in winter they must be kept moving, and the crop of flowers is produced

in spring and early summer. The sprays lend themselves admirably to making up as corsage bouquets, as their habit is arching, and with Asparagus tenuissimus they make a charming arrangement.

E. O. ORPET.

Miscellaneous Seasonable Hints.

CHRYSANTHEMUMS.

If you planted out on the benches your chrysanthemums for pot plants, which I hope and trust you did, for it is the right way to grow them, they should not be pinched later than the 20th of this month. And they should be lifted from the bench and potted not later than the 1st of September. The great advantage of planting them on the benches in June and lifting and potting in September is that they are entirely under control for the dry, hot months, but what is of more consequence, you can lift them without their losing a fibre, and there is no occasion that they should lose a leaf, which plants lifted from the field invariably do. They may not be as large as you would like them on September the 1st, but remember they make lots of growth after that, in fact they double in size. Why it is of the greatest consequence not to delay longer than end of August is that then there are no flower buds formed, but ten days later there would be and the lifting operation would cripple them.

If you have a house shaded it is a good place for them for the first ten days after lifting, after that all the light and sunshine you can get. If you don't have a spare bench, a place outside where the sun and winds won't reach them for a week or two will do equally as well. When well rooted in the pots they will grow fast and can be given a light, well-ventilated house, and will need some sort of a tie; what sort of tying will largely depend on the size of plant. If in a 6-inch pot one stake in the center will do, and the branches tied with fine string just to keep them from falling apart. Don't put a string all around the plant, as market gardeners do endive to bleach it, and as you still see carnations tied in some places.

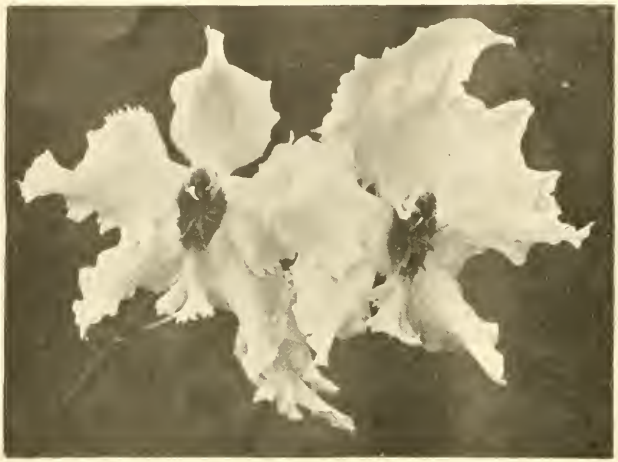
Lincoln in a 7-inch pot will with good management make a plant two feet across is almost indispensable where a general retail trade is done, now is the time to increase your stock. Although the zonal geraniums are as much a pelargonium as the so called show pelargoniums about which I will now give you a few hints, their habit is entirely different and there is where many a young American gardener without any European experience has failed and become discouraged in growing what we generally know as pelargoniums.

Their flowering season is from March to July; some varieties can be forced earlier than March, and perhaps in Covent Garden you would find handsome plants of pelargoniums even in January. Unlike the zonal pelargoniums (geraniums) they are not and cannot be made continuous bloomers, but their season of bloom is longer than many of the plants we prize so highly, notably an Azalea indica, and can be grown and sold at a much less cost. If you have any plants that have flowered this spring they will have made quite a growth since flowering and should have been encouraged to grow to make all the cuttings possible. About the end of this month, a week sooner or later is of no consequence, let the plants be on the dry side for a few days, then cut them down, away down; don't be afraid, cut all the stems off within a few inches of the pot. You can make almost any piece of the plant strike in sand, kept moderately moist and in not too dense a shade. They will take four weeks to root, but you need lose none. These young plants will make you fine plants for next spring's sales; the size will depend on cultivation.

The cut down plants are by no means useless; let them remain in the same pots for three or four weeks and keep almost dust dry; by that time they will be covered with breaks where no buds appeared. Then shake out every particle of soil, trim back the ends of the long roots and repot in a size or two smaller pot than they flowered in, and treat in the ordinary manner. These year old plants are much better adapted for Easter forcing than the young, fall struck ones, and can with a good heat and plenty of light be brought into flower by end of March, and some of the forcing varieties which we have not enough of here, much earlier. The greatest enemy to the pelargonium is the common green fly, but tobacco smoke does not hurt the plant in the least, except when in flower. Firm potting should be given at all stages and no darkness or moisture during the winter months. If kept in a night temperature of 45° it will do with little moisture. From the time the cutting is rooted till the dark days of December they should be encouraged to grow as fast as possible and should by that time be in a 4-inch pot.

PELARGONIUMS.

If you have found the pelargonium a profitable plant, which it should be, and



ODONTOGLOSSUM CRISPUM. ALBINO VARIETY.

ROMAN HYACINTHS.

Roman hyacinths will be here soon if not sooner. I have been asked a question lately about keeping them without potting. I don't think that the bulbs suffer if kept a reasonable time out of the ground. I have planted as late as November 1st, but would prefer to get all of them in the flats by middle of October. If very early Romans are desired put some in flats as soon as received and place out of doors, covering with a few inches of soil or tan bark. If *thoroughly* watered when planted and we get rain at intervals, no more attention is needed, but if a spell of hot, dry weather comes they must get a good soaking occasionally. The planting of the main crop, or those you depend on to carry you through the months of December, January, February and March. I would certainly defer for some weeks yet.

FUCHSIAS.

The fuchsia with all its cheapness and ease of growth is still a popular plant, and if it were a new thing and had the name of orchid would bring dollars where it now brings cents. Thousands are sold in all large cities, and considering the time it takes to grow a fuchsia, and its easy culture, it is even at a low price a profitable plant to many a florist. You have kept a few of your best plants for stock and they should now be out of doors. If not they have done no harm, but now put them out so they will ripen their wood (for the fuchsia is nearly a woody plant), and they will give you much better cuttings than those kept growing in a greenhouse. By end of September the shoots will have ripened and you can then shake out the soil, re-pot, shortening back the weak shoots, and start slowly in a cool house; by November you will get cuttings that will make healthy, vigorous plants. That is early, but you can delay propagating if you don't desire as early a plant.

FERNS.

Don't delay buying your stock of young ferns for filling ferneries this coming winter. It is now, and has been for some years, a feature of the business. Get small ferns from 2-inch pots so you can pot them into 2½ inch pots. You don't want them to grow very much. Above all you



VIEW IN THE CONSERVATORY OF MR. H H. HUNNEWELL, WELLESLEY, MASS.

don't want them in too large pots, for your patrons want a variety in the fernery, and if in large pots you have to shake off most of the soil to get them in. A good customer don't mind paying for the fernery to be replenished every four or five weeks, but if it looks seedy in one week they get tired and are liable to consign the fernery and future orders to the basement of the mansion. The leading growers of small ferns now know what is good for ferneries and can be trusted to fill the bill all right, but stipulate that you don't want any adiantums or gymnogrammes, for they are useless for this purpose.

GERANIUMS.

It may seem childish to be writing about such a well known plant as the zonal geranium, and everybody of course knows how to grow them, but are you not sometimes caught by a frost before you have in your crop of cuttings? I was caught last year and I am not ashamed to own it, for three or four degrees of frost descended upon us about the 20th of September. Procrastination, how much will be laid at thy gate when the final reckoning comes!

While the geranium is the easiest plant to propagate there are often failures made by trying to root them when the weather is very warm. About the first week of September is time enough. If you have a spare bench with two inches of sand, that is the safest plan for that month, and if you have not that, a cold frame with a few inches of sand is just as good providing you have a shaded sash raised both back and front.

Another plan, and the most economical of labor and most conducive towards making good plants, is to pot the cuttings at once into 2-inch pots. Pot them firmly and water thoroughly when first potted and after that be sparing of water till they are rooted. In cool weather it is a waste of time to propagate geraniums in any other way.

If you have any amount of stock to propagate from you need not begin to propagate till the end of the month, but if you are short of some varieties you can take off a cutting about the end of this month, and unless an unseasonable frost comes along you will get another crop of cuttings by October 1st.

VIOLETS.

Violets that were planted out in June without any glass over them will be growing finely now and should have runners and buds picked off. Although they are in solid beds and have free access to air and rain they are not exactly like those grown in the field, and will be greatly helped by an occasional good watering.

WM. SCOTT.

Silence or Acknowledging Receipt of Orders not Acceptance.

First of all, it is to be remembered, an order for goods, however elaborate it may be in form, is not in and of itself a contract. The law views it as but an offer to make a contract. A contract requires a meeting of minds—a mutual agreement of parties to one and the same thing. Until this is expressly or impliedly reached, there is no contract. One party will not be bound, until both are, respectively.

Acceptance, therefore, is pretty apt to furnish the crucial test as to making an order a contract. But in considering what is necessary, in the way of the acceptance of an order to make an effective contract, a careful distinction should be made between orders that are sent in response to some special proposition and those practically emanating from the persons giving the orders. In the former case, the order, instead of being itself the offer to contract, is the acceptance, and if made in the requisite time and form closes the contract, and requires no acceptance of itself. This differs from the case of an order that is to be considered only the first step in a negotiation, as day from night. An order of the latter character must be more or less formally accepted, which acceptance must be unconditional and communicated, or put in process of being communicated, to the person giving the order, before this will become binding, which it will upon both parties at the same time.

True, in the case of an order for goods, acceptance may be sufficiently shown by a delivery of the goods in accordance with the order, which may simply be a

delivery to the proper carrier properly consigned, if made before a withdrawal or countermand of the order. But so long as the acceptance is wanting, either party may refuse to go on, the one by countermanding his order, and the other by refusing to fill it. A mere intention to fill an order is not a legal acceptance of it. Nor is the case changed by writing or printing on the order the words: "This order is not subject to countermand." Whether a particular agent or traveling salesman can accept an order when he receives it so as to make a contract of sale depends wholly on the authority conferred upon him. Where he is empowered to do it, his action will bind both his principal and the person giving the order. If the principal reserves the right to pass impose no obligation on the proposer, although he has done no act and given no notice of his withdrawal of his offer."

Courts of last resort have also quite recently held that the mere acknowledging receipt of orders is not an acceptance of them. In one case a wholesale house, having received by mail an order for goods, taken by one of its traveling salesmen, wrote a postal card acknowledging the receipt of the order, and stating that "the same shall have prompt attention." This was held to be no acceptance of the order, and not to convert the proposal and it into a contract of sale. In another case, where the language was to the same purport, acknowledging receipt of order given to a traveling salesman, and promising it the "earliest possible attention," it was passed as insufficient, without argument.

advanced than in the newer portions. Hemlock Hill, however, which rises to the left of the entrance, is an original forest. The steep ledges are clothed with giant hemlocks and at the foot of the declivity a brook fed by cold springs plunges and splashes over its rocky bed. Every feature of the surroundings is wild and picturesque in the extreme and it is hard to realize when standing in the shadow of those grand old hemlocks that one is less than five miles from the very heart of a great community of nearly a million and a half inhabitants. Boston is fortunate indeed in having had citizens through whose foresight and patriotism these rare bits of landscape have been preserved for the perpetual benefit of the people.



RHODODENDRONS WITH BACKGROUND OF HEMLOCKS ARNOLD ARBORETUM, BOSTON.

Coming back to consider, in this connection, the force of the proverb, "silence gives consent," the supreme court of Pennsylvania will be found saying that, "While it must be conceded that circumstances may exist which will impose a contractual obligation by mere silence, yet it must be admitted that such circumstances are exceptional in their character and of extremely rare occurrence." It added that counsel had not cited a perfect instance of the kind. He who asks another to make a contract [of sale] with him, which is what giving an order amounts to, and gets no answer, the court declares should "repeat his question until he obtains an answer." As is elsewhere said: "An offer is a mere proposal, without any limitation as to time; and, unless accepted at the earliest practicable time, the law presumes it to be withdrawn; and a subsequent acceptance will

Views in the Arnold Arboretum, Boston.

The Arnold Arboretum comprises about 165 acres with five miles of driveways and contains the most varied collection of hardy trees and shrubs in America. By an arrangement between Harvard University which controls the fund from which the Arboretum draws its support and the city of Boston, the entire grounds are made practically a part of the park system of Boston. Many of the plantations are recent and it will be some years before the young trees attain sufficient size for the groups to show their ultimate character.

The South street entrance, which is shown in our illustration, was the first to be constructed and on the avenues leading from this entrance, one of which we also illustrate, the growth is more

Hamburg Exposition.

From the 27th to the 30th of August the program includes a number of special exhibitions and meetings. On the 28th there will be a meeting of the Society of German Gardeners, and on the two following days the members of this society will be entertained by excursions to points of interest, dinners, etc.

The special competitions in summer flowers will be held August 13 to 17. There are numerous prizes for collections of summer flowers in variety, and for asters and clematises.

THE FINAL premium list for the eleventh annual chrysanthemum show of the State Florists' Association of Indiana, to be held November 2 to 6, has been issued. Copies may be had on application to the secretary, Mr. R. A. McKeand, Garfield Park, Indianapolis, Ind.



SOUTH STREET GATE.



AVENUE TO SOUTH STREET GATE.

ARNOLD ARBORETUM, BOSTON.



Scene on Hemlock Hill.

ARNOLD ARBORETUM, BOSTON.

Boston.

TRADE NOTES.—DEMAND FOR AMERICAN BEAUTY.—A FISHING EXCURSION.—PRESENTATION TO F. R. MATHISON.—EXHIBITION OF ANNUALS AT HORTICULTURAL HALL.—CONVENTION PROSPECTS.—DEATH OF E. W. BUSWELL FORMER TREASURER OF THE MASS HORTICULTURAL SOCIETY.—NEWS NOTES, PATHETIC, INSTRUCTIVE AND OTHERWISE.

Trade is fairly satisfactory but not quite as brisk as during the two preceding weeks. Good roses are hard to find when wanted and there is a brisk call for the best obtainable, the watering places having the American Beauty fever badly. This keeps the price of Beauties up where it belongs and incidentally gives the market a healthy tone. Carnations seem to be improving in quality, the demand running mostly to white which when good sell for one dollar per hundred. Asters, if good and white, also sell well but colored asters find a very slow market. The gladiolus has the inside track as a cheap, showy and good lasting flower now and the florists' windows everywhere are enlivened by large vases of the brilliant spikes. Pink pond lilies are at their height and are of better quality than for several years, possibly on account of the prevalent wet weather, but they sell slowly. Lily of the valley is seen in small quantities but is rarely called for and the sale of it falls far short of that of previous summers. Stocks, gypsophila, sweet peas, coreopsis, etc., are abundant and help out on the funeral design when the order comes in.

A very enjoyable fishing excursion with Fred. Mathison as guest took place on Friday, August 5. The little excursion steamer "Mather" carried the party which numbered sixteen, and the arrangements being in charge of the veterans Ed. Hatch and M. H. Norton all enjoyed themselves to the utmost. A pool was made up for the captor of the first fish. Charlie Ingram promptly pulled in a sculpin and demanded the money which was refused on the ground that a sculpin is not a respectable fish, and an argument ensued between the two heavy weights of the Boston Club, Tom Cox and Fred. Mathison as to the classification of the sculpin, Mathison claiming that it was a h'insect and Cox insisting that it was a h'amphibious h'animal. Lawrence Cotter in the meantime was busy and landed a silver hake which won for him the money and he followed up his advantage by pulling up a Conger eel which squared matters by biting him. It was voted that the silver hake be sent to Wm. Jennings Bryan. Dinner on the blue ocean was enjoyed with lively appetites and the usual flow of eloquence followed. Mr. Hatch in a complimentary little speech presented Mr. Mathison with a pencil drawing of a very commodious and restful looking chair which he informed that gentleman was a truthful representation of what he would find at his home on his return that evening, with the best wishes of his friends that he might live to long enjoy it, to which Mr. Mathison responded appropriately. Warren Ewell made one of his best efforts and added a large number of new words to his vocabulary. The speech making was rudely broken up by Lange of Worcester who thought he saw a sea-serpent, but failed to convince anyone else. Judge Hoitt was greatly missed from the party and the sympathy of those present was expressed in a unanimous vote of condolence with him on the death of his mother.

Saturday's exhibition at Horticultural Hall made special provisions for annuals, and two large tables the full length of the hall were nearly filled with the bright blossoms of these popular flowers. The first prize went to Wm. Thatcher, Carl Blomberg being second and C. H. Souther third. There was quite an attractive array of other flowers from various contributors and the hot house grapes from Miss E. J. Clark and E. S. Converse were very tempting.

Convention talk is in the air wherever the craft congregate and the list of those intending to visit Providence next week grows longer. A full fledged bowling team is now assured from Boston. They are not claiming anything in advance but some good all-round bowlers will be enrolled and they will not be found at the bottom of the score card. A special meeting of the Gardners' and Florists' Club has been called for Thursday, 11th inst., for the purpose of ascertaining the wishes of that organization as to matters to come up in Providence and to secure unity of action if possible.

E. W. Buswell who for over twenty years was treasurer of Massachusetts Horticultural Society, died at Brooklyn, N. Y., where he has been residing for some years past, and the funeral took place on Saturday, August 7, at Newton, Mass. Mr. Buswell was well advanced in years and death was the result of a paralytic stroke.

During a severe thunder storm last week lightning entered the store of Julius Zinn, on Beacon street, just missing that gentleman in its travels and leaving a permanent reminder of its visit in a ragged track across the marble counter.

One of our progressive Dorchester florists is practicing the Kneippe cure and may be seen at 5:30 a. m. on any bright morning tramping industriously through the dew-laden grass, barefoot.

Lawrence Cotter has a house of fine Souv. de Malmaison roses which he regards as the best summer rose in cultivation. He will run them till middle of December and then throw them out.

The Citizens' Association is again doing what it can to make life a burden for Superintendent Doogue of the public grounds. A recent communication to the mayor suggests another investigation.

Early golden rod is blooming in the fields and is a forcible reminder that summer is fast slipping away. The memory of the oldest inhabitant does not recall a summer so rainy as this.

A movement is on foot to erect a monument to the late Charles Eliot, in some appropriate spot in the grand series of parks which he did so much to secure for the people.

W. A. Bock was badly hurt by being run into by an electric car while driving through Boylston street last Saturday afternoon. The carriage was demolished.

Wm. Holland, 64 years of age, an employe of Newman & Sons at their greenhouses in Winchester disappeared two

weeks ago and no trace of him or explanation of his absence can be found.

C. W. Gibbs of St. Johnsbury, Vt., is making his annual tour of the leading Boston establishments this week.

Also visiting Boston: H. S. De Forest, of Hitchings & Co., New York.

OBITUARY.

HENRY A. GANE.

Mr. Henry A. Gane died at his home in West Newton, Mass., on August 9, in his 87th year. He was a successful Boston merchant of rare integrity and character but retired from business about twenty years ago. He erected a small greenhouse for his own pleasure, and being an ardent lover of horticulture has spent there his leisure moments in the happiest manner. Chrysanthemums were his especial pets and he became an ardent enthusiast in their fertilization, raising many beautiful varieties only a few of which are known to the commercial world. Two silver medals and other proofs of honorable recognition at the Massachusetts Horticultural Society's exhibitions and certificates of merit from the National Chrysanthemum of England and the Chrysanthemum Society of America were among his treasures. His productions he always gave away to his friends. One only did he dispose of commercially, the peerless Mrs. Jerome Jones, and that only after long persuasion. Visitors were always welcome and he never tired of showing his pets and explaining in his kindly way the mysteries of their production. Mr. Gane was a native of Frome, Somersetshire, England.

Philadelphia.

CANNAS. — CROTONS. — COMPARING NEW CANNAS.—THE STOCK OF FLOWERS — BUSINESS STILL POOR.—MISCELLANEOUS ITEMS.

Cannas are now beginning to assert themselves. The copious rains of late have been very favorable to their growth and the various collections in the neighborhood of this city are worth coming some distance to see.

Robert Craig has a fine collection of up to date varieties, which by the way to have complete requires one to be on the alert all the time. A row of Austria at the back and another of Mrs. F. Rogers in front makes a beautiful border on top of the terrace on the Market street front of his place. The latter variety Mr. Craig thinks the best American canna to date. It took the first prize at the New York Canna Show and the judges made no mistake. It is best described as a magnified and improved Mme. Crozy. Mrs. F. Rogers and Columbia, both American seedlings, show that we can produce varieties equal to any raised in Europe. In fact if the French are to retain their lead in cannas they must send better stock to America than that of the past few seasons. Mr. Craig's crotons that are to be seen at the convention exhibition are very fine. They are finer than anything we have ever seen in the same sized pots. He will also have samples of other plants taken from his general stock.

Mr. Blanc has a number of new cannas that are wonders in color, form and size; one of the Crozy type is immense, a single flower more than covering the crown of a large straw hat. He says that some system of nomenclature will have to be adopted soon as the canna is fast getting to be as bad as the carnation and chrysanthemum in the duplication of names.

The H. A. Dreer & Co. has adopted a novel plan by which to compare the new cannas with existing varieties. Their collection is one of the largest in the country and they have planted all the yellows, reds, etc., in separate color blocks, so that their respective merits can be seen at a glance.

The stock of cut flowers is getting a trifle better; some of the houses planted early are getting a growth on and the hustling grower is sending around the top shoots whenever they show a little bit of color on the end. We imagine it is not much trouble to cut these but when it comes to selling that is another story. New Beauties are appearing but are deficient in stem and many other respects. Kaiserins, Meteors and La France are about the best teas, although Thomas Foulds has a few of his midsummer Brides and Maids that are as fine as some growers can get them at any other season.



THE LATE H. A. GANE.

Asters are now plentiful enough for the fakirs and those bold enough to tempt dame fortune are parading Chestnut street with their baskets. From 50 to 75 cents per hundred is the price, with a few extras of the Semple brand bringing a dollar. Gladiolus and tuberoses bring $2 to $3 per hundred stalks. Carnations are so poor now as to be hardly worth mentioning.

Business is about as usual, very poor, an occasional funeral order livening things up a bit. This may sound a trifle incongruous, but the broad smile of satisfaction that follows the taking of a large order at this season is not dampened in the slightest because it happens to be of the mortuary kind.

Edward Reid, one of our hustling commission band, has just returned from a trip through the state where he has been the past week, looking up his customers and consignors. Everybody is expecting and looking forward to a good business the coming season. He was much pleased with the Pittsburg brethren and said they were a progressive and thoroughly up to date lot of boys. Their stores looked inviting and he saw quite a few flowers that were not handled here at all, notably Japan lilies and fine asters. He saw asters of the Semple variety that measured four inches in diameter and with stems thirty inches long; these sold readily at $7 per hundred.

John Dick, Jr. had the misfortune to collide with another bicyclist while riding his wheel down Eleventh street last Monday evening and was severely injured being thrown heavily and breaking his collar bone, dislocating his shoulder and it is feared, injuring himself internally. The army of bicyclists in this city has assumed huge proportions. By actual count one hundred wheels a minute pass Horticultural Hall on Broad street going both ways This is the average travel on a pleasant summer evening there being no extra attraction except the fine asphalted street.

William Hageman, of lily of the valley fame, 28 South Third street, is an exporter as well, and had placed with him the past week an order from Germany for 4,000 American bicycles, which is probably the largest order ever received from that country for American wheels.

The wife of David Cliffe, of Germantown, died August 6, after a lingering illness and was buried last Monday afternoon.

M. Rice arrived in town last Wednesday looking much improved. His European trip seems to have benefited him greatly and he says that with his improved and largely augmented stock he is going to hustle as he has never done before. K.

New York.

BUSINESS SLOW.—A BIG CROWD FOR PROVIDENCE.—A NEW WHOLESALE HOUSE.—BITS OF NEWS.

There is little going on in the city that is worthy of the name of business this week, and no discernable prospects for any immediate change. There is nothing to detain those who are inclined to make the trip to Providence and a large crowd is sure to go next Monday evening. All arrangements have been satisfactorily completed by the local committee. A big delegation will come from Philadelphia and it will be a hot time on the old boat that night unless all signs fail.

Roses sell more readily than at last report. American Beauties are in brisk demand. Carnations are improved in quality, the white ones being disposed of satisfactorily as a rule. Colored asters are the worst stock in market. They are immovable at any price. White asters are the only ones that sell and they go decidedly slowly.

Still another wholesaler. The latest addition to the lengthening list is McDonald & McManus. They have opened up at 50 West 30th street.

Johnnie Weir has gone to East Quogue for a well-earned vacation.

Stock and fixtures of F. E. McAllister Co., were disposed of at assignee's sale on Tuesday, August 10.

Visiting New York: W. R. Smith of Botanic Garden, Washington, D. C.

Chicago.

NO CHANGE IN MARKET.—BEAUTY AND KAISERIN LEAD IN ROSES.—GREATLY INCREASED SPACE DEVOTED TO BEAUTY FOR COMING SEASON.—YOUNG ROSE STOCK IN FINE CONDITION.—AMONG THE GROWERS. —OFF FOR PROVIDENCE —NEXT TRIP OF FLORISTS' CLUB.

The market is much the same as reported for the week previous. The demand is about equal to supply as to best quality rose stock and carnations, but the cut of roses is now rapidly increasing, and at the present rate will soon overtop the usual summer demand, which is not likely to increase much for another two months. Beauties and Kaiserin are still leading. The flower is improving in size and length of stem. Kaiserin is now exceptionally fine.

A recent trip through a number of the leading establishments discloses the fact

that a rapidly increasing area is devoted to this popular summer rose. Reinberg Bros. alone have twenty houses 20x90 planted with this variety. Bassett & Washburn also devote a large space to them as do a number of smaller growers. Beauties also are planted in much larger quantities than ever before. Not only have the leading Beauty growers increased their bench room but quite a number of others who, having in years past tried to grow this rose without success, are again at it, in a number of instances a special house being built for the purpose. The probabilities therefore are that with good success on the part of the growers, the market should be amply supplied.

On the whole the young rose stock averages much smaller than at the corresponding date last season. This is probably owing to the fact that the bulk of the planting was done later than last year. The weather the past two weeks has been very favorable, however, to the young stock which is pushing forward at a great rate and is promising well with few exceptions. The bulk of space, as during several seasons past, is given to Brides and Maids. These two varieties, at least in our market, rule supreme in the winter season.

Meteor is again planted in large quantities and is second only to the two first named in their class. Meteor, however, is sometimes erratic. In winter, of course, we are used to see it come more or less "bull-headed" at times but we are not looking for that kind of bloom now. Mr. Kirkham, of Maywood, who is operating the old Rockafellow place, has a house of this rose planted early which is in as fine a condition as a house can possibly be, but the cut yields fully 90% of the most pronounced type of bullhead. These are not cut from the strong bottom shoots, as might be supposed, which come invariably in this shape, but from side shoots. Mr. K. is unable to account for this, as the stock is planted in the same kind of soil used in former years; besides Mr. K. is noted as growing this rose at its best. Testout is practically discarded; a few growers who have still clung to it for the last few seasons have thrown it overboard, not but that the rose is selling well in the market, but it don't pay. La France, generally considered a back number in our market, is still grown to quite an extent by the Reinbergs. At other establishments, however, it is notable by its absence. Perle is planted in usual quantity at a ratio of about 1 to 5 as compared with Brides and Maids. President Carnot is having a trial at a number of establishments. The rose is making a fine growth and flowering freely; the bloom, considering the season of the year is of very good quality. It promises to be successful for our locality. How it will take on the market is a question to be decided later.

All aboard for Providence. Penna train leaves Union station at 10:30 a. m. Sunday, August 15 (tomorrow). It's a trip you ought not to miss.

The Florists' Club will visit the establishment of Messrs. Bassett & Washburn, Hinsdale, Ill., the afternoon of Saturday, August 28, taking the train leaving Union station at 1:30 p. m. A very large amount of new glass has been added to this establishment this season and other improvements made, and the members will undoubtedly find much of interest to inspect.

Mr. Thos. Hopkinson has taken a position with Messrs. Bassett & Washburn at Hinsdale.

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Pittsburg.

NO CHANGE IN BUSINESS.—SPECIAL MEETING OF THE CLUB.—ROUTE TO PROVIDENCE.—THE PARKS.

The trade situation remains about the same, very little doing now, but many believe the fall and winter trade will be fully up to the standard, and if so the business for the year will be a very good total, considering the times.

The Florists' Club held a special meeting on the evening of the 5th inst. and concluded arrangements for the trip to Providence; they leave on the morning of the 12th in a special Eastlake coach on the B. & O. R. R., arriving at Baltimore in the evening, stopping there until Friday evening, when they take the boat for Norfolk, Va., and will arrive at Providence on Monday morning, the 16th inst. No business of any importance outside of the trip arrangements was transacted. Mr. Edward Reid, wholesale florist of Philadelphia, who was a visitor to our city, attended the meeting and favored the club with a few remarks.

Mr. Wm. Falconer, superintendent of Schenley Park, has returned from a short trip east and is hard at work again pushing the permanent improvements in the park. The trees and shrubbery that were planted in the spring are all doing well.

Reduced Rates from Western Territory.

The Western Passenger Association has granted the rate of one and one-third fares for the round trip to the Providence convention. This extends the above rate to practically all territory west of Chicago and St. Louis. In purchasing tickets a certificate must be secured, which after being countersigned at Providence will entitle to one-third fare returning.

Meadville, Pa.

Mr. Aug. Krueger has commenced building five houses, four of which intended for roses and carnations, will cover each 75x20 and the fifth one for violets, 75x24. The houses are being built with a view to convenience and durability and will be equipped with all the modern improvements. Mr. Krueger likewise contemplates rebuilding his store and conservatory located on the corner of Market and Center streets.

Among other things, Mr. Krueger will grow violets on a more extensive scale, the demand for these increasing from year to year. HOMO.

C. O. D. Shipments.

It is reported that several C. O. D. shipments of plants to Ishpeming, Mich., have been first refused and afterward bid in for the express charges.

LOUISVILLE, KY.—Fire damaged the residence of Jacob Schulz the florist, August 3.

WAYNESBORO, PA.—Mr. Henry Eichholz reports that a striped canna has originated on his place.

MERRILL, WIS.—Mr. N. Greiveldling, formerly of Sparta, Wis., has purchased land here and will build two greenhouses 18x100 each. He will use 16x24 glass, butted.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—By experienced all around grower; well up in roses, etc.; age 30, single. Address GEORGE BEAL, Massillon, O.

SITUATION WANTED—As gardener and florist by single man of large experience; first-class references, etc. A D, care Am. Florist.

SITUATION WANTED—By a young lady to make herself useful in flower store; some knowledge of flowers. Address M G, care AM. FLORIST.

SITUATION WANTED—By first-class grower and decorator, position either in store or greenhouse. References No. 1 Address VERITAS, care American Florist, Chicago.

SITUATION WANTED—By thoroughly experienced florist and gardener in all branches of this business, commercial or private place; German, single, 26. Address M. K., care American Florist.

SITUATION WANTED—As grower or foreman on commercial place; 18 years' thorough, practical experience growing roses, carnations, 'mums, violets, bulbs. References. WORKER, care Am. Florist.

SITUATION WANTED—In private or commercial place by florist, age 29, German, 12 years' experience; good grower of roses, carnations, violets, 'mums, orchids, palms, ferns, pot plants etc Address D D, care J. H. Urbin, 79 Howe St., Chicago.

SITUATION WANTED—By an expert florist as foreman in large commercial place. Fully competent in every way, and can produce A1 stock of roses, carnations, 'mums, etc. Married; age 35. For particulars address FLORIST, Box 4, Rosebank, Staten Island, N.Y.

SITUATION WANTED—Young man, English, requires place as manager or storeman as florist, etc.; can make any design in floral work and quick in all branches of cut flower and plant trade; I have had 19 years' experience, age 29, married, only arrived in U. S. A. on Sunday last. Would settle and stay in a good place; distance no object; a chance for a good man. Address 551 E. Indiana Avenue, Philadelphia, U. S. A.

WANTED—To rent greenhouses with about 5000 ft. of glass; preferably in Northern Ohio. B. H. THORNE, Wooster, O.

WANTED—A good all-round grower of general stock, single man. A. F. BARBE, Kansas City, Mo.

WANTED—At once, a good all around grower of general stock—no expert. Single man. Address THE CAMPBELL GREENHOUSE, St. Cloud, Minn.

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WANTED—500 feet or more 4 inch hot water pipe; must be cheap and sound, immediate delivery; state price. LOCK BOX 659, Lake Geneva, Wis.

WANTED—To rent a few greenhouses; must be in good location for retail trade and in good condition, near Chicago preferred. O, care American Florist.

WANTED—To rent a small place with a good trade, well stocked and in good condition, east preferred; only reliable parties need apply. W. F. SCHMEISKE, Scotland, Pa.

WANTED—To buy a small greenhouse establishment or store in good live town with home market; natural gas preferred; if you mean business write stating full terms and particulars. Address O G, care American Florist.

WANTED—Single man as working foreman; must understand growing general stock; must be sober and a hustler; wages $25 per month, more if worth it. CHAS. K. SWENSON, Elmwood, Conn.

WANTED—Two assistants under foreman in rose and chrysanthemum houses, $30 and $25 per month and board; state where you have been working, how long and give references. Address P H, care American Florist.

WANTED—By Philadelphia florist, a working foreman for 25,000 feet of glass; must be first-class grower of roses, carnations, mums, violets and pot plants for retail trade; wages $50 per month. Address F X, care American Florist.

WANTED A first-class foreman—a man who understands growing roses, carnations, violets, bulbs, palms, orchids, ferns and general stock; must be sober, industrious, reliable, capable of handling men. MENDENHALL, Minneapolis, Minn.

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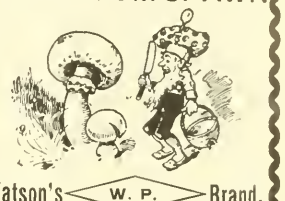
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Carnations	.75@ .75
Valley	2.00@ 3.0
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MR. W. ATLEE BURPEE left London for the Hamburg Exposition July 21.

MRS. BARTELDES, who has been ill in Wisconsin, has improved and Mr. B. will return with her to Lawrence next week.

NAVY, Mediums, Limas, Red Kidneys and other food beans have advanced materially in price the past week. Mediums over 30%.

WHILE SEVERAL varieties of peas will be very short and already others have been carried over in such large lots that there will be no decided general advance for the present.

IT IS REPORTED that the government will purchase seeds in packets from seedsmen in various sections of the country in a similar manner to the plan followed last season except that the patronage will be more evenly distributed.

THE California onion seed crop will average about 60% in yield with a reduced acreage and quality not up to average. So much has, however, been carried over there will be no shortage of seed. It is more than likely that the acreage will be still further reduced the coming season.

BOSTON.—Nathaniel P. H. Willis, who served as a salesman with Joseph Breck & Sons for sixty-four consecutive years, prior to August, 1894 died in Chelsea on Tuesday, the 31 instant, at the ripe age of 87. Mr. Willis is believed to have been the oldest salesman in this country, and certainly, the oldest in any seed store. He was the son of Charles Willis, well-known at the beginning of this century among the farmers of Massachusetts, and is descended from Charles Willis, described as a Puritan of considerable distinction. He began work as a boy in his father's shop, and in a short time was put on the salesfloor of Jos. R. Newall, dealer in seeds and agricultural implements at 108 State street, Boston. This business was soon after conducted by the firm of Jos. Breck & Sons, then in the seed business, and publishers of the *N. E. Farmer*. With this house Mr. Willis remained until August 1, 1894.

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L. BOEHMER, & CO., YOKOHAMA, "Japan Lilies."
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LARGEST IMPORTER OF LILY OF THE VALLEY PIPS.

Now... Ready

ROMAN HYACINTHS,
PAPER WHITE NARCISSUS,
LILIUM CANDIDUM,
LILIUM HARRISII,
CALLAS.

Write us for prices on your requirements.

W. W. BARNARD & CO.,
186 E. Kinzie Street. CHICAGO, ILL.



IF YOU HAVE FAILED

to secure a fine stock of GLADIOLUS SPIKES write us for prices, etc. We can suit you in every particular.

NOTHING FINER OR MORE DURABLE FOR SUMMER DECORATING.

Cushman Gladiolus Co.
EUCLID, O.

Mention American Florist.

AMERICAN BULB COMPANY

BERMUDA EASTER LILY BULBS.

HEALTHY STOCK. Leading growers have affirmed that our stock has proved far superior to that of any other dealer. Write for a copy of our NEW FALL BULB QUOTATIONS, all duties paid.

BULBS, PLANTS & SEEDS.

SUCCESSORS to Bulb and Seed Business of *PITCHER & MANDA*. Our prices are the lowest for guaranteed quality. Get our special quotations on anything you require before ordering.

SPECIAL: A B C unsurpassed florists' flower seeds, 1 large trade pkt. each Pansy, Primula, Cineraria, for $1.

SHORT HILLS, N. J.



Send your address for my illustrated catalogue of these superb flowers.
M. B. FAXON, Boston, Mass.

CLARK BROTHERS
Manufacturers of
Paper Seed Bags
of every description, except Lithographic Bags.
61 Ann St., New York.
Mention American Florist.



BORDER GERANIUM.

"MARS"

The best thing ever sent out.
Deep Rose, White Edge.

The most Floriferous Geranium.

The most beautiful color effect.

STOCK PLANTS READY SEPT. 15.

$1.50 TO $3.00 PER DOZEN.

Henry Eichholz,

Waynesboro, Pa.

EDWARD REID

1526 Ranstead St.,
FIRST ABOVE CHESTNUT.

WHOLESALE FLORIST

❋ PHILADELPHIA, PA. ❋

On or about Sept. 1 I will occupy the above premises half a block from the old location which has become too small to handle my increasing business.

FIRST CLASS ROSES, CARNATIONS AND VIOLETS ARE MY SPECIALTIES.

My California Violets of last season were pronounced the finest in the country.

Orders Filled on the Shortest Notice. Express Office and Railway Station but a block away.

Consignments of First Class Stock only solicited. Long Distance Telephone.

FRED EHRET,

SHIPPING ORDERS A SPECIALTY.

WHOLESALE FLORIST.

CONSIGNMENTS OF CARNATIONS.
FIRST-CLASS ONLY SOLICITED.

1403 FAIRMOUNT AVENUE. PHILADELPHIA, PA.

WM. J. BAKER,

CARNATIONS MY SPECIALTY.

Wholesale Florist

1432 SOUTH PENN SQUARE,

First class Flowers shipped on the shortest notice at Phila. market prices. Consignments of first class flowers only solicited. Long Distance Telephone.

PHILADELPHIA.

CHINESE PRIMROSE PLANTS.

Strong and well grown, ready for 3-inch pots. This grand strain has the NATIONAL and CANADIAN reputation of being the finest yet produced. Single varieties in eight named colors $2.50 per 100; $20 per 1000. Double white, red and lilac, $4 per 100; $35 per 1000. Extra plants added to help pay expressage. Adams and U. S. express.

JOHN F. RUPP, Shiremanstown, Pa.
Chinese Primrose Specialist.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

BEGONIA REX.

Fine stocky plants from 2½-inch pots, ready to pot up now, $3 00 per 100.
Cash with order.

FRANK S. PAYNE,
BARNARD CROSSING, N. Y.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

---

FERNS. FERNS. FERNS.

Choice 3-inch Pteris Serrulata Cristata, $4 per 100, $35 per 1000.

Pteris Cretica albo lineata, $3 per 100, $25 per 1000.

JOS. KIFT, West Chester, Pa.

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

Buffalo.

FINE WEATHER —ABUNDANCE OF FLOWERS EXCEPT CARNATIONS.—SUMMER ROSES — TRIP TO PROVIDENCE.—MEETING PLACE FOR NEXT YEAR.

Very fine weather has been favorable for all kinds of work, and business too if there was any going, but there is little of that. There is an abundance of flowers to meet all demands except good carnations. They are about gone as nearly all growers have let the plants dry up or have thrown them out for the new crop, and it's nearly time. Now he that lets a few hundred of the leading varieties go up to flower in the field and protects from early frost, will be very much in it for the next two months.

Mr. Kasting is receiving fine roses from the Oakwood Rose Gardens, of Oil City. Our national treasurer, Mr. Beatty, makes a specialty of roses during the hot months and has the field largely to himself.

As the time draws near for our departure to Providence we are anxious to know how many there will be in the party. There will be a few of us anyway, but it is likely they will go on the installment plan. Several will leave Sunday night and have the day in New York, joining the crowd on the boat. We do look forward to that ride and its concomitants.

At this writing I am afraid Buffalo will not be represented either on the bowling team or the shoot. Well, if it's to be that way it will allow the intellectual members of the Buffalo delegation more time for the serious business of the convention, which is so congenial to their taste. We have not yet received that beautiful challenge cup from the west. We hope, however, to get it here in time for us to display it on the boat. I will bet just three good cigars that the cup finds a resting place after the convention in the dreary wastes of Flatbush. I would prefer that this innocent wager should be with Mr. George Anderson, of the Darby Road, Philadelphia, Pa.

A good deal of talk on the journey to Providence and during the early days of the convention will be on the question, "Where are we going next year?" It has not been the custom to boom any city for our meeting place till we all get together but there is, I believe, no law against it.

We have an invitation to go to Milwaukee. I have been there and walked all around Pabst's brewery, on the outside. No doubt there is as good and warm-hearted a set of men in Milwaukee as in any city of its size, but is it not too far away from the great majority of our members and the horticultural centers? We have none too great an attendance when held in such cities as Pittsburg and Cleveland, and they are eastern cities as compared with Milwaukee. I have an ideal city in my mind and am almost authorized to say to the convention, "Come to our beautiful city and we will make you warmly welcome." That city is Detroit, a far more beautiful town than many eastern people have any idea of. It is chiefly noted for two things. It owns the beautiful Belle Isle Park and is the birthplace of Harry Balsley, besides claiming among its citizens Governor Potato Pingree, Philip Breitmeyer and many other more or less famous men. Ladies and gentlemen, it is an ideal city for our meeting place. It is situated geographically grandly, and is a beautiful city in which to spend a few days of summer and incidentally to attend the sessions of the S. A. F. convention. W. S.

JOHNSON & STOKES.

Kingly Giant Pansies.

Our Prize Gold Coin Collection of Kingly Pansies cannot be surpassed in size of flower, perfection of bloom, or for the variety of markings or richness of coloring.

WE OFFER

$50.00 In Gold ... Premiums

FOR BIGGEST PANSIES.

We know that in our "Kingly Collection of Giant Pansies" we have as fine a strain of pansies as it is possible to produce. To stimulate an effort to show them at their best, we offer the following GOLD PRIZES:

$25 00 in Gold for the Largest Pansy.
10.00 in Gold for the Next Largest.
5.00 in Gold for the Next Largest.
3.00 in Gold for the Next Largest.
2.00 in Gold for the Next Largest.
1.00 in Gold for the Next Largest.
1.00 in Gold for the Next Largest.
1.00 in Gold for the Next Largest.
1.00 in Gold for the Next Largest.
1.00 in Gold for the Next Largest.

CONDITIONS OF COMPETITION.

Competition is open to all who purchase of us, our J. A. & S. Kingly Collection of Giant Pansies. Inside of each packet will be found a **card,** on which the flower must be carefully mounted and pressed and sent to us on or before October 1st, 1898.

PRICES, Per Trade Packet	$ .50
Per ¼ Ounce	1.25
Per Ounce	5.00
Per ¼ Pound	15.00
Per Pound	50.00

Other Pansies.

	Trade Pkt.	⅓ Oz	Oz.
Giant Yellow	$ .40	$1.00	$4.00
" White	.40	1.00	4.00
" Striped	.40	1.00	4.00
" Black	.40	1.00	4.00
" Blue	.40	1.00	4.00

	Trade Pkt.	Oz.
Bugnot's Giant Blotched	$ .50	$5 00
Cassier's Five Blotched	.50	5.00

	½ Trade Pkt.	Trade Pkt.
CINERARIA, James' Giant strain	$ .60	$1.00
CHINESE PRIMROSE, Prize English Mixed	.60	1.00

WRITE US YOUR WANTS IN BULBS. We can suit you in price.

JOHNSON & STOKES, 217 & 219 Market Street, **PHILADELPHIA, PA.**

Crop 1897. Ready Now.

PANSY.

BARNARD'S FLORIST MIXTURE.

A high class, up-to-date mixture that fills the bill "par excellence"—made up from leading colors, producing flowers of the most perfect type. It gives you pansies that sell.

Trade pkt. 25c, ⅛ oz. $1.00, ½ oz. $4.00, per oz. $7.00.

Full assortment of separate colors ready now.
New crop of high grade Flower Seeds constantly arriving.

W. W. BARNARD & CO.
186 E. Kinzie St. CHICAGO.

PANSIES

SEED. SEED.

NEW CROP NOW READY.

ROEMER'S SUPERB PRIZE PANSIES.

This strain includes all the leading novelties, **Odier, Cassier, Bugnot** and **Parisian** mixture; the qualities of these varieties are so well known as to render a description unnecessary. Mixed, per pkt. of 2500 seeds, $1.00; $6.00 per oz.; $3 00 per ½ oz.; $1 75 per ¼ oz. White, yellow and black, in separate colors, $1.00 per pkt. Plants ready September 15th.

CASH WITH ORDER.

PETER BROWN,
Wholesale Pansy Grower, LANCASTER, PA.

X PANSY SEED. X

MAMMOTH SUNBEAM STRAIN.

A grand collection of giant flowering varieties, very large, of perfect form and choice colors; carefully selected and exceedingly fine. My customers write that this is the finest strain of pansies they can get; requires no better evidence of superiority. Trade pkt., 600 seeds, 25 cts.; 3 pkts. 50 cts.; 6 pkts. $1.00. A pkt. of the rich Rainbow Pansy added to every $1.00 order.

JOHN F. RUPP, Shiremanstown, Pa.

PANSIES.

The **JENNINGS STRAIN** of finest American grown Pansy seed. New crop now ready. Grown from finest selected stock only. All large flowering in great variety, of most beautiful colors.

The following complimentary letter is one out of hundreds received:

BUFFALO, N. Y., June 8th, 1897.

MR. E. B. JENNINGS. Dear Sir:—The Pansy Seed supplied by you last August produced the finest lot of flowers I have ever seen. They were uniformly first-class. Send me one ounce of your best mixed as soon as ready. Respectfully, WM. SCOTT.

Finest mixed, per pkt. of 2500 seeds, $1.00; ¼ oz. $3.00; 1 oz $6.00; 3 oz. $15.00. Yellow, black, white, blue, in separate colors, $1.00 per pkt.; half pkt. 50 cts.

Cash with order. E. B. JENNINGS,
Lock Box 254, Southport, Conn.
Grower of the finest Pansies.

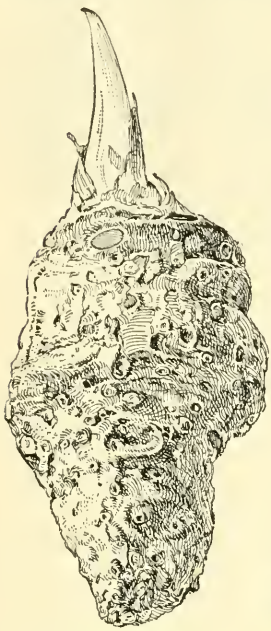
GRASS SEEDS.

WE ARE RE-CLEANERS
EVERY VARIETY.

J. CHAS. McCULLOUGH, Seedsman,
N. E. Cor. Second and Walnut Sts., CINCINNATI, O.

Always mention the American Florist when writing to advertisers.

Vaughan's Imported FORCING BULBS FOR THE TRADE.



We are, as usual, prepared to care for orders in this line promptly, with high quality stock and at fair prices, with duty added.

AT 14 BARCLAY ST., NEW YORK,

We shall be glad to meet Florists going to or from Convention and if possible make some suggestions in the line of "Prosperity."

Early Forcing Bulbs are on hand.

PANSY SEEDS for Florists.

Vaughan's "INTERNATIONAL," - - - per oz., $10.00
Vaughan's "GIANT MIXED," - - - - - per oz., 5.00



These are strains with nine years record and with a pedigree. We have scores of testimonials. Ask the best pansy grower of your acquaintance for his opinion of our strains of the above mixtures. The new seed is now ready.

California Grown

CALLAS

Carefully cured, with sound center shoots, now ready for shipment from our New York or Chicago stores.

SIZES and PRICE:
1¼ to 1½-inch, $5.50 per 100
1½ to 1¾-inch, $7.50 per 100
2 to 2½-inch, $10.00 per 100

VAUGHAN'S SEED STORE, 14 Barclay St., New York.

Chicago, 84 and 86 Randolph and 208 West Randolph St.

Vautier's Mammoth Pansy. New crop seed now ready. This is the largest and finest Pansy ever offered. Mr. Vautier has been over twenty years perfecting this strain. We have testimonials from florists from all parts of the U. S. praising its size and merits. Trade pkt. 50c.; ¼ oz., $1.00; oz., $4.00.

Frank P. Haynes, Florist, Watervliet, Mich., writes: "Enclosed find $2 for ½ oz. of the Vautier Mammoth Pansy. We have raised pansies for many years, but for size and color we never had finer than those from you. Have tried many strains but yours excel."

Geo. Hawksworth, florist, Altoona, Pa., writes: "Enclosed find sample of your Vautier Pansy. We have no trouble in getting rid of them."

Freesia Ref. Alba Small postpaid per 100, 25c Large " " " 60c
Callas Black, medium, doz., 60c.; per 100 $4.00 Black, large, doz., 75c.; per 100, $5.00
CYCLAMEN PERSICUM, large flowering bulbs, per doz., 60c.; per 100, $4.00.
MUSHROOM SPAWN, best English Milltrack, per 100 lbs., $6.00; per 10 lbs., 75c.

H. G. FAUST & CO., 64 and 66 N. Front St., PHILADELPHIA, PA.

PANSY SEED.

Mixed together, of Bugnot, Cassier, Odier, Trimardeau, and many other varieties, ½ ounce $2.00; 1 ounce $3.50.
Plants ready September 15, at $3.50 per 1000.

PRIMROSES.

7000 Primroses, single, mixed colors, $2.50 per 100.
CASH WITH ORDER.
JOS. H. CUNNINGHAM, Delaware, O.

PANSY SEED.

	Per Oz.	Per Lb.
Mitting's Giant Mixture	$4.00	$40.00
Fiery Faces Mixture	4.00	50.00
Giant German Mixture	2.50	20.00
Small Fancy, in 100 colors	3.00	30.00

1,000,000 Pansy Plants ready September.
THE MORRIS FLORAL CO., Morris, Ill.
Established 1893. 20,000 sq. ft. glass. Incorporated 1897.

CELERY PLANTS.

White Plume, Giant Pascal.

Field Grown Plants at $1.00 per thousand. Cash with order Samples free.
EXTRA HEAVY TRANSPLANTED WHITE PLUME, $2.00 per 100; $18.00 per 1000.
C. M. GROSSMAN, Wolcottville, Ind.

Pansies Worth Raising.

NEW CROP SEED of this POPULAR VARIETY.

3-16 ounce	$1.00
1-2 "	2.25
1 "	4.00

CASH WITH ORDER.
C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.



H. Wrede,

LUNEBURG, GERMANY.

PANSY SEED.

133 First Prizes, the highest awards World's Fair, and Hamburg, 1897.
1000 Seeds, finest mixed, 25c.
1 oz. " " " $3.75
Price List on application. Cash with order.

Painting Gutters.

What had we better do with a well joined 2-inch plank cypress gutter between two houses. Planks were well joined with white lead when built a few months ago, and so tight that caulking was impossible, had been painted white several times and didn't leak till a dry spell came on which shrunk the planks.

Some told us to use pitch, and some said use liquid cement washed over thinly, but we would like to be certain before applying any one thing to it.

PENNSYLVANIA.

I have half a dozen gutters made of cypress plank 1¾ inches thick and 12 inches broad with the edge strips about 2 inches high. They have been used some of them for the past 5 years and are entirely satisfactory. And what an improvement they are over the old tin gutters we used to have. We not only threw away money on the tin, iron or zinc, but we rotted out the wood beneath the metal, for to keep the water from getting below the tin no man yet was clever enough.

I have used on one gutter coal tar on the top of paint and sprinkled rough sand on when warm. And on another I used a mixture of asphalt, which may not be procurable everywhere. It has been a water tight gutter but I don't like either any better than I do a good heavy coat of white lead. The gutters should have a good coat every year, and choose the driest time to apply it. WM. SCOTT.

FORT WAYNE, IND.—Miss Flick has returned from a pleasant and profitable trip through California, Oregon and Washington.

FOND DU LAC, WIS.—The wife of Mr. E. Haentze is seriously ill, and this will prevent Mr. Haentz, from attending the Providence convention.

SHIREMANSTOWN, PA.—The *Journal*, of Mechanicsburg, Pa., in its issue of July 31, prints a very complimentary notice of the greenhouses of John F. Rupp, of this place.

ROSES. Extra fine stock, clean and healthy.
BRIDE and BRIDESMAID, from 2½-inch pots, $20.00 per 1000; $2.50 per 100.
BRIDE and BRIDESMAID, from 3½-inch pots, $35.00 per 1000; $1.00 per 100.
GERANIUMS, 3 inch, $4.00 per 100.
CUT SMILAX, 12 cents per string.
TERMS CASH.
NATIONAL PLANT CO., Dayton, O.
When writing mention the American Florist.

STILL HAVE SOME FINE
Perles, Kaiserins, and Brides.
Strong plants. Will close out cheap.
EXTRA STRONG 2-INCH SMILAX, at $15 per thousand.
GEO. A. KUHL, Pekin, Ill.

1000 BRIDES & BRIDESMAIDS
in 2¼ and 2½-inch, fine stock. Cash with Order. $2.00 per 100, $18.00 per 1000.
CHAPIN BROS., LINCOLN, NEB.

ROSES.
Perles, Brides and Bridesmaids,
Strong, healthy plants, from 3 1-2 inch pots, $6.00 per 100.
H. E. WILSON,
134 Hayward Park, Rochester, N. Y.

Season of 1898.
COMMERCIAL SPECIALTIES.
A complete and distinct line of.....
NEW CARNATIONS, FIELD-GROWN PLANTS.
NEW GERANIUMS,
NEW CHRYSANTHEMUMS,
NEW CANNAS,
NEW DAHLIAS,
and other desirable plants. Our list of varieties has been selected for commercial florists' use. No better assortment to be had, and stock is in grand condition.
SEND LIST of and get our prices on what you wish to purchase.
THE COTTAGE GARDENS,
C. W. WARD, Mgr. QUEENS, L. I.
When writing mention American Florist.

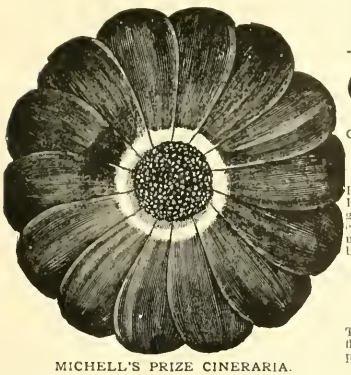
ROSES For Immediate Planting.
SOUVENIR DU PRESIDENT CARNOT and AMERICAN BEAUTY
from 3 and 4-inch pots.
Extra fine stock also BRIDE, BRIDESMAID, PERLE, AUGUSTA VICTORIA, METEOR, MRS. MORGAN, NIPHETOS, etc., etc.
All in good, clean stock. For Special Prices for cash, write to
JOHN N. MAY, Summit, New Jersey.
My new crop of MIGNONETTE SEED is now ready, 25c per pkt.; $3.00 per oz.

ROSE SOUV. DU PRESIDENT CARNOT,
Strong field-grown plants, November delivery, $10.00 per 100.
MOSELLA and CLOTHILDE SOUPERT, two year field-grown, $8.00 per 100.
ULRICH BRUNNER, strong field-grown, $8.00 and $10.00 per 100.
CANNAS for Fall delivery. Chas. Henderson, Paul Marquant, Flamingo, and others. Prices upon application.
NEW VIOLET, Princess of Wales, field-grown plants, $8.00 per 100.
IRISH ROSES.
We are the Sole Agents in America for Messrs. Alexander Dickson & Sons, of Belfast, Ireland. Their Irish Roses are the best stock imported into this country, and florists desiring high grade Roses for Fall delivery, should write us for varieties and prices.
ROBERT SCOTT & SON,
19th and Catharine Streets, PHILADELPHIA, PA.
Mention American Florist.

ROSES—Clean, strong and carefully grown.
AMERICAN BEAUTY,
3-in. $8.00, 3½ and 4-in. $12.00 per 100. PERLE, METEOR, BRIDE, LA FRANCE and KAISERIN, 3½-in. $6.00; 4-in. $7.00 per 100. Special rates on quantities.
BRIDESMAID, special prices for cash.
A. S. MacBEAN, Lakewood, N. J.

CARNOTS.
375 fine plants, 3-inch pots; will sell cheap, or exchange for good Meteors.
HOPP & LEMKE, Paul P. O., Mich.

ROSES for FORCING.
750 BRIDES, 600 MAIDS, 750 METEORS, 125 PERLES, in 3½-in. pots at $3.50 per 100
Elegant clean stock. If you are in want of any speak quick.
A. G. PRINCE & CO.,
88 WABASH AVE., CHICAGO.



MICHELL'S PRIZE CINERARIA.

NOW IS THE TIME TO SOW

Cineraria Seed

	Trade pkt.	Trade pkt
Giant Prize Dwarf Mixed	60c	$1.00
" Medium Tall	60c	1.00
" Crimson	60c	1.00
" Blue	60c	1.00

Remarks:—Germantown, Phila., March 9, '97.
Dear Sir: The Cineraria seed I had from you has given excellent results, the colors were all that could be desired, while many of the blooms measured eleven inches in circumference. It is the best strain of Cineraria seed I have ever handled.
Yours very respectfully, J. M. C.

PRIMULA SEED.

The very choicest European mixture of all large flowering and brilliant varieties. Per ½ trade packet, 60c.; per trade packet, $1.00.

CYCLAMEN GIGANTEUM SEED

Grown by one of the most reliable growers in England, and can be relied upon to produce flowers of the largest size and most brilliant colors only.

	100 seeds	1000 seeds
BRIGHT RED or CRIMSON	$1.25	$10.00
BRIGHT PINK	1.25	10.00
PURE WHITE	1.25	10.00
WHITE, with red eye	1.25	10.00
MIXED, of the above colors	1.00	8.00

250 seeds or over at 1000 rate.

PANSY SEED

Michell's Giant Exhibition.

The very choicest strain to be procured. It contains the cream of the FRENCH, SCOTCH and GERMAN fancy pansies. Choicest mixed containing over 50 varieties, per trade pkt., 50c.; per ⅛ oz., $1; per ¼ oz., $1.50; per ½ oz., $3; per oz. $6.

Remarks: Coatesville, Pa., July 5, 1897. Dear Sir: "Last year I got from you ⅛ oz. of your Giant Exhibition Pansy Seed. They produced a grand assortment of Pansies. They were far ahead of any strain I have ever grown, and I had seed from many other leading houses. Please send me ½ oz. this year. Respectfully yours, H. A. M."

MIGNONETTE Allen's Defiance, per oz., $1.00
Machet (True) per oz..... 50c

Mushroom Spawn

Just received from England, in excellent condition. Price, $7.50 per 100 lbs. Write for special quotation on larger quantities.

Remarks:—Harrisburg, Pa., May 13, 1897. Dear Sir:—There seems to be no end to the large crop of Mushrooms from the spawn which I purchased from you. Very respectfully, C. R. H.

CANE STAKES

First quality, 7 to 10 feet long, $5.00 per 1000, 75c per 100, 500 at 1000 rate.

SEND FOR WHOLESALE PRICE LIST OF BULBS, SEEDS AND SUPPLIES.

HEADQUARTERS FOR JADOO FIBRE AND LIQUID.

Henry F. Michell.
Fred J. Michell.

HENRY F. MICHELL, 1018 Market St., PHILA., PA.,

Twenty-four Years' Experience

IF YOU PARTICIPATE

in the return to prosperity, do not forget that if we can take care of your orders during troublesome times, we are equally capable of meeting your requirements during prosperous periods. *We are prepared for your next season's trade,* and

WE WANT YOUR ORDERS.

Goods packed with care and shipped promptly to all points. A full line of **Cut Flowers** constantly on hand.

CARNATIONS A SPECIALTY. **Consignments solicited in any quantities.**

DUMONT & CO., Wholesale Florists, 1305 Filbert Street, PHILADELPHIA.

1000 Bridesmaids, 400 Brides,

3½-inch pots, extra fine, at $2.50 per 100. Cash with order.

GEORGE A. HEINL, Toledo, Ohio.

H. P. ROSES for forcing.

Clematis, Rhododendrons, Magnolias, Hardy Azaleas, Tree Roses, Etc.

L. C. BOBBINK, Rutherford, N. J.
Branch Horticultural Co., Boskoop, Holland.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

10,000 FIRST QUALITY FORCING ROSES.

Fully equal to those sent out the last four years, first-class in every respect. Only selected growth from flowering shoots used in propagating.

*WOOTTON,	LA FRANCE,	AM. BEAUTY,	BELLE SIEBRECHT,
METEOR,	BRIDESMAID,	KAISERIN A. V.,	SUNSET,
*BON SILENE,	*SAFRANO,	PERLE,	*GONTIER,
*MME. HOSTE,	*BRIDE,	*MERMET.	

3 inch pots, $5.00 per 100. *4-inch pots, $8.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

Fine Plants

AM. BEAUTY,	2 1-2 inch,	$5.00	per 100
" "	3 inch,	7.00	"
METEOR,	2 1-2 inch,	3.50	"
"	3 inch,	6.00	"

ORDER QUICKLY.

BROWN & CANFIELD, Springfield, Ill.

GOOD ROSES CHEAP.

	Per 100
2000 METEORS, 3-inch	$2.50
1500 MAIDS, 3-inch	3.00
1000 BRIDES, 3-inch	3.00
600 PERLES, 3-inch	3.50

First-class plants for immediate benching.
600 2-inch MAIDS, 600 METEORS at 2.00

W. H. GULLETT & SONS, Lincoln, Ill.

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

New Orleans.

Hot weather, poor flowers, no business is the general complaint from all your correspondents, and I can assure you that from N. w Orlear s you will not hear much better. I do not see how we can just now find a few flowers alive when a funeral design or a weddlng bouquet is to be disposed of. This state of busIness will certainly continue till towards the first of November when we will have our All Saints' Day which is the same as your Decoration Day of the last of May, and I hope at that time that I will be able to report something more interesting.

At the market, plant business is also at a stand still although some florists seem to want to go to the market later than ever before. But it looks as though it is more the desire on their part to get rid of the plants than the willlngness of the customers to buy them. I said "to get rid of" because the most of the plants are sold at ridiculous prices. Let us hope for something better when we get out of the 90°. Yesterday we had 99° in the shade.

A few weeks ago Armand Kerlec, seedsman at 827 Decatur street, retired from business selling out to Snaer, Schindler & Van Geffen. J. A. Schindler was formerly with C. W. Eichling. M. M. L.

PEORIA, ILL.—Geo. W. Souster, nephew of Geo. Souster of Elgin, Ill., died at the Cottage Hospital, August 6, of blood poisoning resulting from colored socks. He was born in Northampton, England, 19 years ago, and came to America 4½ years ago, going to Elgin, where he was for several years In the employ of his uncle. For the last two years he has been with Cole Bros. of this city. He was well liked and his unfortunate death is deplored by many friends. The remains were shipped to Elgin and interred by his uncle.

TO WIDE AWAKE FLORISTS:

Have you ever tried evaporating liquid tobacco to kill green flies in greenhouses? It would pay everyone who has not already tried it to give the process a trial. It is generally well known among rose growers that the old style of fumigating by burning tobacco in its various forms is ruinous to the flower crop of such roses as Catherine Mermet, The Bride, Bridesmaid and those types. The plan herewith recommended is cleaner, more convenient and does absolutely no injury to any rose buds, nor to the plants.

Our experience has taught us to use at least six (6) of our evaporating pans in a hundred (100) foot house. At first when we put this plan into operation we thought of evaporating tobacco juice as a preventive only, the same as the old and somewhat untidy style of strewing tobacco stems on the paths and under the benches; but we find that by using the number of pans to a house as above indicated it absolutely kills the pest, and there is hardly any perceptible smell in the house, and the roses retain their fragrance without taint or blemish.

These pans are threaded to be attached to an inch and a quarter pipe, or by the use of a **bushing** any smaller sized pipe may be attached. Our pan was awarded Honorable Mention by S. A. F. at Cleveland, O., in 1896.

TRY AT LEAST ONE HOUSE.
Price $1.25 each pan. For further particulars write

EDWIN LONSDALE, Chestnut Hill, Phila.

SMILAX.

Strong plants, from pots, $2.00 per 100; $18.00 per 1000 Cash with order.
SAMUEL J. BUNTING, Elmwood Ave. & 58th St., Phi'a.

ASPARAGUS SPRENGERI

First introduced by us in this country. A few thousand plants to be disposed of from 2½-inch pots, $8.00 per 100, $70.00 per 1000; 3½-inch pots, $15.00 per 100, $125.00 per 1000. Larger sizes are all disposed of.

ORIGINATORS of NEW CANNAS WILL PLEASE NOTICE THAT

the followiug names have been adopted by us for some of our new productions which will be put on the market shortly.

Abundance—A deep cherry red with large trusses and very dark green foliage.
Alaska—Tall grower, rich maroon red.
Adonis—A new pure pr selnke color, green foliage
Caprice—Creamy white, spotted pink, lower segment red.
Climax—Crimson scarlet, long petals tall grower.
Colossus—Yellow spotted red, very tall grower.
Klondike—Pure golden orange, very round petals.
Lighthouse—Yellow shaded red, tall grower.
Little Duchess—Pink, spotted red, edged yellow, dwarf.
Lucifer—Scarlet,very tall grower, dark green foliage.
Moonlight—Ivory white, larger,whiter than Alsace.
Nero—Very dark maroon, green foliage.
North Pole—Creamy white, shaded pink.
Phoenix—Yellow, shaded.
Profusion—Very dwarf, large heads of scarlet flowers, edged yellow.
Ruby—Rich ruby red flowers, light green foliage.
Rainbow—Flowers striped white pink, red, orange.
Sensation—Golden scarlet, flowers 6½ inches
Splendor—Golden yellow, overlaid with scarlet blotches
The Sultan—Deep rich vermillion, tall grower.
Topaze—Pure yellow, large size, green foliage.
Venus—Delicate flesh color, shading to pink.
Zebra—Yellow striped red and orange
Victoria—Pale yellow, spotted pink on rose ground.

NEW AMERICAN CANNAS FOR 1898.

ORIGINATED AND INTRODUCED BY A. BLANC & CO., which will be placed on the market this fall.

Champion—Immense flowers of golden scarlet.
Duchess of Marlborough—The pure pink of A. F. chart.
Duke of Marlborough—Dark velvety maroon.
Brilliant—Upper petals yellow, lower petal red. fred
Caprice—Creamy yellow, spotted pink. lower petal
Cuba—Vermillion red edged orange yellow.
Golden Pearl—Creamy yellow, shading red & lilac.
Klondike—Pure orange gold, very large flowers.
Lorraine—Pink edged and spotted yellow fading white.
Maiden's Blush—Silvery rosy flesh shading to rose
Mephisto—Crimson scarlet, very tall grower.
Profusion—Orange scarlet, edged gold, large truss.
Sunset—Orange yellow, streaked and flamed amaranth.
Triumph—Scarlet orange, very large, tall grower.

Full illustrated descriptive and price list of the above will be issued shortly.
We also have in stock the NEWEST ITALIAN CANNAS and all of Mr. Crozy's Cannas issued since 1893 as well as all the leading American Cannas.

PORCELAIN FLOWER POTS AND JARDINIERES. To reduce our stock we will sell during August, September at one-half our list prices. Many of these have been made exclusively for us.

☞Electrotypes for Florists and Seedsmen. Largest stock in the world. Over 10,000 distinct cuts. Send for list.

A. BLANC & CO., PHILADELPHIA, PA.

When writing mention the American Florist.

FREESIAS MAMMOTH BULBS.....

JUST RECEIVED VERY FINE SAMPLE.

Per 100, 90c., Per 1000, $7.00

If by mail add 10c per 100 for postage.

W. W. BARNARD & Co.

186 E. Kinzie St., CHICAGO. ILL.

Walker's EXCELSIOR BRAND Fertilizer.

FREE from Odor.
FREE from Acids.
FREE from Coloring Matter.
Perfect Solubility.

Are only a few of the many good points in our EXCELSIOR FOOD for house plants. Do not be persuaded to purchase a Plant Food which contains Acids, but write us for sample and prices to the trade.

WE ARE ALSO MANUFACTURERS OF AN ODORLESS LAWN FOOD.

THE WALKER FERTILIZER CO.,

CLIFTON SPRINGS, N. Y.

ROSES for FORCING

About 300 PERLES, from 4-inch pots left. Can now be had at a bargain.

VIOLETS for immediate planting. Lady H. Campbell. No disease, fine stock, 2½-inch pots.

100 SWAINSONA, 3-inch pots. Write for prices.

CRABB & HUNTER, Grand Rapids, Mich.

ASPARAGUS PLUMOSUS NANUS.

(True) transplanted seedling plants, now ready, **$25 per 1000.** Samples on application. Also fresh **ASPARAGUS SEED, $10 per 1000 seeds.** Cash with order from unknown correspondents.

R. ASMUS, New Durham, N. J.

SAMUEL S. PENNOCK,

Wholesale Florist

1612-1614 Barker Street. PHILADELPHIA.

STOCK.

Our stock of Flowers the coming season will be larger and more varied than ever before, and we will be able at all times to ship quantities of the finest grades of the most popular

Roses, Carnations, Violets, Etc.

FIRST GLASS **AMERICAN BEAUTIES**

High grades of this rose are our specialty. We handle the entire stock of several of the best Philadelphia growers and guarantee our first selection to be the very best in the country.

CARNATIONS

The largest stock of Carnations in the country passes through our hands, comprising all the best commercial varieties.

LILIES OF THE VALLEY

Lilies of the Valley by the thousand all the year around.

ORCHIDS. We handle these artistic Flowers in quantities.

Shipping Facilities

Our shipping facilities are unsurpassed, Adams Express freight station is but half a block away, United States Co. is within ten minutes, Broad Street station Pennsylvania railroad is but a block and a half.

PACKING---Packing is a special feature and all orders receive the greatest care so that Flowers may arrive in the best condition at all seasons. Our new style shipping boxes give the best possible results. Telephone (long distance 5210), telegraph, write, or call and inspect our stock personally.

SAMUEL S. PENNOCK,

1612-14 BARKER ST. WHOLESALE FLORIST.

PHILADELPHIA, PA.

Provdence, R. I.

CONVENTION ARRANGEMENTS PERFECTED. —BRILLIANT PROSPECT. — DELEGATION FROM NEWPORT CLUB VISITS THIS CITY FOR CONFERENCE —S. A. F. BADGE IN PLANTS.—ACTIVE DEMAND FOR EXHIBITION SPACE.

The long-looked-for convention is at hand and many there are who are anxious to see the finish and to realize the pleasures and enjoyments to be found only in Rhode Island. At the last meeting of the executive committee the reports were more than favorable and all expressed great satisfaction at the brilliant prospect before us. The committee have worked together, no friction or discord has manifested itself, the only object being to bring credit upon the club and help to establish a reputation that will last many years after the present membership has passed away.

A delegation from the Newport Club visited this city to confer with the Providence Club and to arrange a final program for the entertainment of their guests while in their city. They were shown about Providence and the route was gone over and some of the places of interest were visited. They also expressed themselves much pleased with the program as arranged by the Providence Club. We are assured of one thing which is that when we get the visitors to Newport by the sea they will find the pleasures in store for them there will prove to be a fitting climax to the week's experiences.

The S. A. F. badge of red and yellow alternanthera at Roger Williams Park is all right. Superintendent Fitts has taken great interest in this convention and will show the visitors something worth seeing.

Superintendent Chappell reports a very active demand at the eleventh hour for exhibition space. Many of the late comers will be obliged to defer their good intentions to exhibit their goods until the next convention at Omaha or some other place remote from the eastern circuit.

Death has again visited the family of Wm. Appleton, Jr. He buried his father on the 8th, aged 68 years. Again our hearts go out with sympathy for him in his bereavement.

This is the last call. Don't forget the duty you owe to the craft, and remember the pleasure you will afford us by attending the convention. LITTLE RHODY.

PRIMULA CHINENSIS,
2-inch pots..... .....$2.50 per 100, $20.00 per 1000
FERNS, 3-inch pots..... ... $5.00 per 100
CARNATIONS.
Field grown Lizzie McGowan and Scott. Write for prices.
VIOLETS.
Marie Louise, strong field grown. Write for prices.
HYDRANGEA HORTENSIS,
rooted cuttings.. .. .. $2 00 per 100
SWAINSONA ..... $2.00 per 100
ABUTILON
Souvenir de Bonn and Golden Fleece...$3 00 per 100
GERANIUMS.
Rooted cuttings.... .. .$1.50 per 100, $12 00 per 1000
C. LENGENFELDER.
Lincoln and Berteau Avenues, CHICAGO
When writing mention American Florist

STOCK WANTED.
Small Palms, Crotons, Ficus, Ferns, Cyclamens, Primula, etc. Must be cheap, or will exchange for Orchids in variety and Ferns from 3-inch and 5-inch pots.
DAVID CLIFFE,
Main & Johnson Sts., Germantown, Phila., Pa.
Mention American Florist.

NEW YELLOW CARNATION
MAYOR PINGREE.

BETSCHER BROS., Canal Dover, O.

Mr. FRED BREITMEYER,
MT. CLEMENS, MICH.

DEAR SIR:—Regarding the Mayor Pingree Carnation, I have traveled extensively the few years past and have viewed nearly all the new varieties introduced in their original habitat, but none have pleased me so well as M. P. as to growth, freedom of bloom; in fact nearly every essential factor that goes toward making the perfect carnation. I have crossed it with many other kinds, and for crossing it seems admirable. We have some seedlings that doubtless will give us something very fine, if vigorous growth is any criterion upon which we may pin our hopes, etc.

Any one who does not secure some plants of it will make a mistake, doubly so to those who are in the fascinating part of plant breeding. Thanking you for the plants you sent, etc.

CHAS. BETSCHER.

P. S.—As a pot plant I know of nothing that has the stamina of Pingree.

THE CORNELL UNIVERSITY.
College of Agriculture,
L. H. BAILEY, Prof. of Horticulture,
ITHACA, N. Y.

Mr. FRED. BREITMEYER,
DETROIT, MICH.

MY DEAR SIR:—I am greatly obliged for the photograph of Carnations, which is very good. We are growing a picked lot of Carnations this year, and we have a pretty good show, considering that this is one of the dullest climates in the North. Of all the varieties which we have, the Pingree has attracted the most attention. It is the best yellow which we have ever grown, and if it holds up everywhere as it has with us it seems to me that it is a coming variety. The flowers are good shape, long keepers; the plant is exceedingly strong, and the stems are long enough and strong enough to satisfy John Thorpe's idea of a typical flower.

Yours very truly,
L. H. BAILEY.

Field Grown Plants, $10.00 per 100.
— FOR SALE BY —
JOHN BREITMEYER & SONS,
Miami and Gratiot Aves., DETROIT, MICH.

F. DORNER & SONS CO.
La Fayette, Ind.
NEW CARNATIONS.

H. WEBER & SONS,
CARNATIONS
OAKLAND, MD.

Stocky, Field-Grown CARNATIONS.
New and Standard varieties, $5.00 per 100 and upward.
GEO. HANCOCK & SON, Grand Haven, Mich.

E. G. HILL & CO.,
Wholesale Florists
RICHMOND, INDIANA.

CINERARIAS.
Fine strain of dwarf hybrid from 2½-in. pots, $2 per 100.
CASH WITH ORDER.
E. FRYER,
Berriman St. & New Lots Ave., BROOKLYN, N. Y.

.. HARDY ..

Herbaceous Perennials.

The Finest Assortment and Largest Stock in America. Full Descriptive List and Special Wholesale quotations upon application. Special quotations for the 50 Leading and Best sorts.

ALL STRONG, ESTABLISHED, OUTDOOR PLANTS FOR AUGUST TO OCTOBER DELIVERY.

	Per Doz.	Per 100
Achillea Eupatorium (Noble Yarrow), yellow	$1.50	$10.00
" **The Pearl,** double white	.75	5.00
Ajuga Genevensis (Geneva Bugle), 6 inches, blue	1.50	10.00
Anthemis tinctoria (hardy Golden Marguerite), 2 feet, yellow	1.00	6.00
Anthericum liliastrum var. major (St. Bruno's Lily), white	1.25	8.00
Arabis Albida (Alpine Rock Cress), spring, fragrant, white	1.25	8.00
Asclepias tuberosa (Butterfly weed), orange	1.25	8 00
Aster N. A. var. rosea (Pink New England Aster)	1.75	12 00
Boltonia latisquama (False Chamomile), 2 feet, lavender	1.25	8.00
Callirrhoe involucrata (Poppy Mallow), crimson	1.25	8.00
Campanula Carpathica (Hairbell), 1 foot, blue	1.25	8 00
" **latifolia,** 3 feet, showy spikes of blue	1.50	10.00
Centaurea montana (Corn Flower), 2 ft., rich purple	1.50	10.00
" " **var. alba,** white	1.75	12.00
Coreopsis lanceolata, 2 feet, golden yellow	1.25	8.00
Delphinium Chinensis or grandiflora (Chinese Larkspur), 2 feet, white and blue shades. One of the choicest of perennials for cutting	1.25	8 00
Delphinium formosum (showy Larkspur), 3 feet	1.50	10.00
Dictamnus fraxinella (Gas Plant), 3 feet, purple	1.75	12 50
Doronicum plantagineum var. excelsum, 2 ft., yellow	1 25	8.00
Epimedium macranthum, elegant	2 00	15.00
" **rubrum,** 1 foot, spring, red and white,	1.25	8.00
Erigeron speciosus var. superbum, 2 ft., rich purple	1.25	8.00
Euphorbia corollata (flowering Spurge), 2 feet, fine white	1.00	6.00
Funkia grandiflora or Subcordata (Corfu Lily), 2 feet, white	1.50	10 00
Gypsophila paniculata (Chalk Plant or Baby's Breath), 2 feet	1.25	8 00
Gypsophila Stevenii, 2 ft., early, choice for cutting	1.50	10.00

	Per Doz.	Per 100
Helenium Hoopesii, 3 feet, summer, orange yellow	$1.50	$10.00
Helianthus Maximilliana, 6 feet, rich yellow	1.50	10.00
Hemerocallis flava (Yellow Day Lily), 2 feet, rich yellow, one of the best	1.25	8 00
Hemerocallis Thunbergii, 3 feet, fragrant, lemon yellow, late	2.00	15.00
Heuchera sanguinea, 2 feet, all summer, orange vermilion, elegant	1.75	12.00
Iberis sempervirens (Hardy Candytuft), 1 foot, clouds of white	1 75	12.00
Iberis Germanica, in choice mixture	.75	5.00
Lathyrus latifolius albus (White Perennial Pea), choice	1 25	8.00
Lychnis chalcedonica (Lamp Flower), 2 ft., scarlet	1 25	8.00
" **viscaria fl. pl.** (Ragged Robin), 12 in., double red	1 50	10 00
Lychnis vespertina fl. pl. (Double White Campion)	1.75	12.00
Monarda didyma var. coccinea (Scarlet Osage Tea), 2 feet	1 00	7.00
Papaver orientale, named varieties in leading sorts	1.75	12 00
Phlox, named hybrids, a superb collection, finest vars	1.50	10.00
Potentilla, named hybrids, a superb collection	1.75	12.00
Primula Siebold's Hybrids, in choicest named sorts, grand	2 00	15.00
Pyrethrum uliginosum (Giant Daisy), 6 feet, pure white	1.25	8.00
Rudbeckia speciosa or Newmanii, 3 feet, summer, orange and black	1.00	6.00
Scabiosa caucasica, 3 feet, elegant, lavender blue	1.75	12 00
Sedum spectabile, pink flowered	1.25	8.00
Silene Virginica (Fire Pink), cardinal	1.50	10.00
Spiræa palmata, 3 ft., June, crimson spikes, fine	1.50	10.00
Veronica amethystina, 15 in., rich blue	1.25	8.00
Veronica longifolia subsessilis, 2 feet, rich deep blue, in long spikes	1.75	

Also Special Stocks for Wholesale Trade of Tea's Weeping Mulberry; Golden Barked Willow; Deutzia Crenata fl. pl.; Ligustrum Ibota; Ligustrum Meadia; Lonicera Morrowii; Stephanandra Flexuosa, etc., etc.

WHOLESALE LIST READY.

JACOB W. MANNING,

THE READING NURSERY, ESTABLISHED 1854.

Reading, Mass.

St. Louis.

WEATHER COOLER. — STOCK BETTER.— TRADE SLIGHTLY IMPROVED.—STILL A SCARCITY OF FIRST GRADE FLOWERS.— BEDDING IN THE PARKS.—A NEW PARK PROPOSED —BOWLING.

There has been quite a change in the weather, which is much cooler, and the welcome rain of last week has had the effect of livening things up wonderfully. Trade, however, or what there is of it, remains the same, the only events of any importance being several large funeral orders which livened up the business considerably the past week.

The supply of good stock was short of the demand while the poorer stock is still plentiful with little demand at low figures. Roses are looking a little better, owing to the cool weather. The best of the Meteors, Bridesmaids, Kalserin are bringing $3 and $4, seconds $2. Perles were sold at from $2 to $3. Carnations are only fair. The best of them were Scotts and bring $1. Sweet peas are very scarce and almost out of the market. Asters in all colors are abundant and cheap. Hardy hydrangeas are plentiful and large fine heads bring 5 cents each. Gladioluses too are a glut. Tuberose stalks are good, price $3 to $5. Smilax still goes begging at a low price.

The outlook for better quality of stock in the near future is promising. The young rose stock is in very good condition. The carnation fields also look their best. Violets at some of the places are not looking so well having been more or less affected by the dry weather.

The bedding in Forest Park looks well and is very attractive. There is more of it this year than ever before and Superintendent Pape reports that it will be increased from year to year.

Tower Grove, Lafayette, Burton and the other parks, are equally as attractive as the large one. Dr. Cleveland McAfee called the attention of Mayor Zirgenheim to the fact that two blocks of ground on the levee at the foot of Olive street should be set aside as a river front park. The Mayor said we should have more parks, and I shall do all in my power to encourage the movement by which the city shall get them. The park will be known as Riverside Park.

The bowlers had a nice cool evening Monday night and it brought out a full attendance. In the three games rolled Carl Beyer was high man with 553, Kunz second with 542 and Sanders third with 527. High single score was by Beyer, 242; Kunz second, 240; and Kuehn third; 192. Frank did not have any poodles which surprised everybody but he has a new style of rolling which he claims will keep him from making so many poodles. We will watch you next Monday Frank. J. J. B.

OUR PANSIES same high grade that has made them famous over 15 years. We continue adding the world's best and select yearly choice plants for our seed. Plants, $5.00 per 1000, 75c per 100. Seed, $1.25 per ¼ oz.

DANIEL K. HERR, Rider Ave., Lancaster, Pa.

Mention American Florist.

LAST CALL FOR FANCY-LEAVED CALADIUMS

Young plants from 2½-inch pots at $5.00 per 100, in good variety, showy kinds only.

Also will exchange large Palms and Tree Ferns for one complete pumping outfit.

ADDRESS **F. J. ULBRICHT,**
L. B. 655, **Anniston, Ala.**

TREES. SHRUBS. ROSES.

The largest and finest collection of General Nursery Stock in America, embracing **Fruit Trees** of all kinds, new and old, **Ornamental Trees, Shrubs, Evergreens, Roses, Hardy Plants, etc.** In addition to which we offer for Fall of 1897 and Spring of 1898 the following:

LEADING SPECIALTIES:

CURRANTS—Cherry, Fay's, Versaillaise, White Grape.

GOOSEBERRIES—Columbus, Downing, Industry, Triumph.

SUPERLATIVE RASPBERRY — The best New Red Raspberry.

ELÆAGNUS LONGIPES—Splendid new ornamental fruit bearing Shrub.

CRIMSON RAMBLER ROSE—Dormant field-grown plants. Largest stock in the country.

MARCHIONESS of LONDONDERRY ROSE—Newest and finest white hybrid perpetual.

HARDY ROSES—Dormant field-grown plants. Superior to the imported.

Trade List issued August 1st. Free on request. Special quotations on large lots. Correspondence solicited.

Ellwanger & Barry,

Mount Hope Nurseries. ROCHESTER, N. Y.

When writing mention the American Florist.

Bulbs for Forcing.

NO. 1 STOCK.

Come round and examine them at our Convention Exhibit, Music Hall, Providence. You will find them *all right in quality and price.*

WALTER A. POTTER & CO.,

Florists' Flower Seeds, Bulbs and Supplies,

PROVIDENCE, R. I.

PALMS, Etc.

ARECA LUTESCENS, LATANIA BORBONICA, KENTIAS, LIVISTONA ROTUNDIFOLIA, COCOS WEDDELLIANA, FICUS ELASTICA, ARAUCARIA EXCELSA, PANDANUS VEITCHII, P. UTILIS, CYCAS REVOLUTA, ADIANTUM FARLEYENSE, ETC.

Stocky, hardy, home-grown plants, that will last and give satisfaction. An immense stock of all sizes, in the best condition possible. I guarantee perfect plants and good packing.

The duty on plants will not affect my prices, which are always moderate. Price List on application.

CHAS. D. BALL, Holmesburg, Phila., Pa.

EXHIBIT OF FAIR SAMPLE PLANTS AT PROVIDENCE S. A. F. CONVENTION.

Mention American Florist.

3,000 Smilax

3-inch pots, $2.50 per 100.

5,000 Adiantum Cuneatum

3-inch pots, $5.00 per 100.

Splendid stock. Cash with order.

HENRY A. NIEMEYER, Erie, Pa.

PANSY SEED

grown from best selected stock, largest strain, best colors, perfect form, at $5.00 per ounce; $1.25 per ¼ ounce.

PANSY PLANTS, ready Sept. 15th, at 60 cts. per 100 or $3.50 per 1000.

SMILAX PLANTS, strong, 3-inch pots, at $2.00 per 100. Cash with order.

JULIUS P. SIEBOLD, Lancaster, Pa.

FOR SALE 50,000 Azalea Indica

PROSPERITY AT YOUR COMMAND. HOW TO GRASP IT?

By Purchasing for Cash the Best Quality for the Least Outlay.

NO ADDITIONAL DUTY TO PAY. PRICES SAME AS LAST YEAR.

The ever increasing demand created by the excellent quality of the plants supplied by me and grown expressly for my trade during a period of 20 years, by one of the leading and oldest horticulturists in Belgium, enables me to supply the trade at THE SAME PRICE AS BEFORE THE NEW TARIFF BILL WAS ENACTED. I offer in 1, 2, 3 and 4 year plants all the good old sorts as well as the newest varieties, fine bushy plants. I have **1,000 Four-Year-Old Exhibition Plants to Offer.**

	Per 50	Per 100	Per 1000
Small Plants, 8 inches diameter, assorted varieties	$12.00	$23.00	$220.00
2 years, 8 to 10 " " 10–14 inches high	16.00	30.00	275.00
3 " 10 " " " " "	21.00	40.00	375.00
3 " 10 to 12 " " " " "	26.00	50.00	475.00
3 " 12 " " " " "	32.00	60.00	575.00
3 " 12 to 14 " " extra choice	from $75.00 to $85.00 per 100.	$10.00 to $15.00 per dozen.	

Extra large and choice Exhibition Plants, 16 to 20 inches in diameter from $3.00 to $10.00 each.

A Liberal Discount for Cash Allowed. "Send for Descriptive Catalogue of 45 Varieties."

Do You Want to Make a Profit Before Your Goods Are Sold?

TAKE ADVANTAGE OF THE DISCOUNT OFFERED; AN ADVANCE PROFIT.

I offer also full line of the BEST QUALITY OF BULBS AND PLANTS for Forcing, Potting or outdoor cultivation. Lilium Harrisii, Longiflorum, Roman and Holland Hyacinths, Narcissus, Tulips, Crocus, Etc. Supplies for the greenhouse, parlor, garden and parks. For Fall and Spring Delivery importations of Hardy Low Budded Roses, Tree Roses, Strong Clematis, Hardy Rhododendrons, American Roses on own Roots, Etc. In any quantity and at prices to meet the strongest competition. Send me an estimate of your wants. Catalogues on application.

C. H. JOOSTEN, IMPORTER. 193 Greenwich St., NEW YORK.

Single Violets.

	Per Doz.	Per 100
Princess de Galles	$1.00	$7.00
Princess Beatrice (new)	1.00	7.00
Admiral Avellan (new)	1 00	7.00
Luxonne	.75	5.00
Petite Blue	.75	5.00

IMPORTANT NOTICE:—All plants are healthy, not diseased nor degenerated; each kind true to name. All stock grown in cold frames without artificial heat of any kind.

SINGLE VIOLETS MY SPECIALTY.

All good kinds furnished on application.

FRANCOIS SUPIOT,

57th St. & Lancaster Ave., PHILADELPHIA

ZIRNGIEBEL'S GIANT PANSIES

"Huge jewels of velvet and gold."—*Boston Transcript.*

AWARDED A SILVER MEDAL AT BOSTON.

are the finest strains up to date, either here or abroad. Our seed this season is from extra quality flowers, superb coloring and largest size.

THE GIANT FANCY STRAIN, in trade packages of 500 seeds, at $1.00.

And THE GIANT MARKET, 2000 seeds, for $1.00 also.

SEEDS TESTED AND SATISFACTION GUARANTEED.

Plants of the above strains for sale at the same rate as the more common varieties. Giant Market, $5.00 per 1000; Giant Fancy, $10 00.

With our new system of packing, plants can be sent any distance.

PLANTS FOR SALE AFTER SEPT. 1ST.

DENYS ZIRNGIEBEL, Needham, Mass.

HERR'S PANSIES ARE THE BEST.

SEED, $1.25 per 1-4 ounce.
PLANTS, $5.00 per 1000; 75c. per 100; 2,500 for $10.00.

ALBERT M. HERR, LANCASTER, PA.

FERNS.

We make a Specialty of small Ferns for the Fall trade.
Write for special prices on large quantities. Order early.

JOHN SCOTT,

Keap Street Greenhouses. BROOKLYN, N. Y.

FIELD GROWN **CARNATION PLANTS** FOR SALE

Clean healthy stock. No rust. $4 per 100
Scotts, Daybreaks, McGowans.

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REFERENCE BOOK

Contains a vast amount of valuable reference matter in addition to the directory list

PRICE $2.00.

AMERICAN FLORIST CO.

322 Dearborn Street. CHICAGO.

SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

Mention the American Florist when writing to advertisers on this page.

Toronto.

SWEET PEA MEETING—MANY VARIETIES EXHIBITED.—LARGE ATTENDANCE.—THE TARIFF.

The sweet pea meeting held by the Horticultural Society was crowded to the doors, and every chair that could be scared up in the building was in requisition. On a large table in the middle of the room was a collection of 114 different kinds from Mr. Edwin Utley, and some, including several perennial sorts, from Manton Bros., of Eglinton. Mr. Utley read a most interesting and practical paper on the origin, history and culture of the sweet pea, which was listened to most attentively, and had to answer a great many questions. After the essay and discussion the flowers were more closely viewed by the crowd and then distributed, every one going away pleased and satisfied.

A committee was appointed to report on some varieties not yet distributed which were sent to Mr. Utley for trial by a California firm.

Mr. Manton reported progress for the tariff committee. The government does not seem to have made things very satisfactory, it appearing that somebody got at them at the last moment before the tariff bill was passed and induced them to change it to suit themselves. The committee was instructed to continue their efforts to get the tariff changed according to the unanimous desire of this society and the trade.

Weather fine, with occasional rains, good growing weather for horticulturists, not so good for the farmers. E.

W. K. HARRIS

calls the attention of his many patrons to his unusually fine stock of the following plants:

FICUS ELASTICA,
in all sizes and shapes. An immense stock.

PANDANUS VEITCHII.
A very large stock of this finest of decorative plants.

LATANIA BORBONICA,
in all sizes, from 10c. to $5.00.

ARECA LUTESCENS.
Fine stock; medium sizes.

DRACAENA SANDERIANA.
The coming plant for the center of the fern dish. I have the largest stock of this beautiful plant in this country.

COCOS WEDDELLIANA.
A large and fine stock of this valuable and useful little palm.

I would especially call attention to my stock of Dwarf Otaheite Oranges. Very well fruited.

MANY OTHER DECORATIVE PLANTS NOT HERE MENTIONED.

For prices and further information apply to

WM. K. HARRIS,
55th & Springfield Ave., PHILADELPHIA.

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

FINE STOCK OF PALMS.



ARECA LUTESCENS

8 to 10 inches high,	1	plant,	2½-in.	pot		$ 4.00	per 100
10 to 12	"	"	1	"	3	"	10.00	"
10 to 12	"	"	3	"	3	"	15.00	"
30 to 36	"	"	1	"	8	"	2.00	each
36 to 40	"	"	1	"	8	"	2.50	"
24 to 30	"	"	3	"	8	"	2.00	"
32 to 36	"	"	3	"	8	"	2.50	"
42 to 48	"	"	1	"	10	"	5.00	"

COCOS WEDDELLIANA

24 to 30 inches, 5-in. pot . . . . . $1.00 each

KENTIA BELMOREANA

32 to 36 inches, 6 leaves, 6-in. pot . . . . . $2.00 each
36 to 40 inches, 6 leaves, 7-in. pot . . . . . 2.50 each

LATANIA BORBONICA

2½-inch pots . . . . . $4.00 per 100.

PHOENIX REGLINATA

24 inches high, 7-in. pots, strong . . . $1.00 each

All Plants measured from top of Pot.

SEE EXHIBIT IN EXHIBITION HALL.

JOSEPH HEACOCK, Wyncote, Pa.

Grand Offer for One Week
IN FERNS.

For Jardinieres:
Adiantum cuneatum,
" pubescens,
Pteris albo-lineata
" cretica cristata,
" serrulata,
Fine bushy stock from 2½-in. pots, $3 per 100; $25 per 1000.

Alsophila Australis:
4-in. pots . . . . . 35 cts. each, $ 4.00 per doz.
5-in. pots . . . . . 75 cts. each, 8.00 "
7-in. pots . . . . . $1.25 each, 12.00 "

Nephrolepis cordata compacta:
3-in. pots, strong and bushy . . . . $15.00 per 100
4-in. " " . . . . . 20.00 "
5-in. pots, strong and bushy . . . . $35.00 per 100
8-in. " specimens . . 75 cts. each, $8.00 per doz.

FICUS ELASTICA:
Grand lot of beautiful plants.
5-in. pots, 15 to 18 inches high . . . . $15.00 per 100
6 in. pots, 20 to 24 inches high . . . . 50.00 per 100

ARAUCARIA EXCELSA
(Norfolk Island Pine), fine specimens.
5-in. pots, 12 to 15 inches high . . . . . $1.25 each
6-in. pots, 15 to 18 inches high . . . . . 1.50 each
7 in. pots, 2 feet high . . . . . $2.00 to $2.50 each

OTHER SPECIALTIES: Palms, Pandanus Veitchii, Dracænas.

Send for Wholesale Price list.

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Mention American Florist.

ORNAMENTAL TREES AND SHRUBS.

Roses, Bulbs and Hardy Perennials

In Large Assortment and of Superior Quality.

Fully believe that we can show more Ornamental Trees and Shrubs, and a larger, finer block of Hardy Roses, Hybrid Perpetual Moss and Climbers of the leading popular varieties including the famous Crimson Rambler than can be seen elsewhere. We have 32 greenhouses, several of them devoted to Palms, Cycas, Ficus and Araucaria Excelsa. Personal inspection and correspondence solicited. Catalogue free.

THE STORRS & HARRISON CO., Box 5 Painesville, O.

BUY YOUR CHINESE PRIMROSES

FROM A SPECIALIST

and get the best grown. **10 000.** See adv. on another page.

JOHN F. RUPP, Shiremanstown, Pa.

FOR SALE.

700 BRIDE ROSES, 2 and 2½-inch pots 2½c
300 VICTORIA K. 2½-inch pots 3c
400 BRIDESMAIDS, 2 and 2½-inch pots 2½c
1000 BEAUTIES, 2½-inch pots 6c
Stock strong, clean and healthy.

COLE BROS., Peoria, Ill.

ROSE HILL NURSERIES.

No Duty

NO ADVANCE IN PRICES FOR ORDERS IF SENT AT ONCE.

HOME GROWN STOCK

The finest in the country. Need we tell you the advantage of buying strong cool grown and clean palm stock, grown in this country and at prices that defy COMPETITION. Do not fail to come and see us on your way home from the CONVENTION. We are only 16 miles from New York, trains every hour. Write, telegraph or telephone and our carriage will meet you.

TWO GRAND CONVENTION OFFERS **Ferns,** 2¼-in. pots, 5 varieties, lots of 500 and up, $25 per 1000
Cocos Weddeliana, 2¼, grand stock, lots 100 and up, $10 per 100

OUR SPECIALTIES: Palms, Orchids, Ferns, Pandanus Veitchii, Ficus Elastica, Araucaria Excelsa, Dracænas, Etc.

DO NOT FAIL TO EXAMINE OUR EXTENSIVE EXHIBIT at the CONVENTION

SIEBRECHT & SON.

NEW ROCHELLE, NEW YORK

Otaheite Oranges

Bear in mind that we shall have a fine lot of well fruited Otaheite Orange Trees for Christmas delivery.

CHAS. ZELLER'S SONS,
29th Ward, BROOKLYN, N. Y.



PALMS AND FERNS.

The LARGEST STOCK west of New York.

GEO. WITTBOLD, 1708 N. Halsted St., CHICAGO

CHEAP FOR CASH FIRST-CLASS SURPLUS STOCK

1000 Asparagus plumosus nanus, 3-in.	$7.00
300 Nephrolepis Duffell, dwarf, 3 in	3.00
2000 dwarf Calla bulbs, blooming bulbs	5.00
40 Perles, 3-in.	3.00
900 Brides, 3-in.	3.00
600 Maids, 3-in.	3.00
90 Belle Siebrecht, 4-in.	5.00
25 Am. Beauty, 4-in.	6.00
75 La France, 4-in.	5.00
250 Mermets, 3-in.	3.00
100 Meteors, 4-in.	5.00

LEWIS ULLRICH, Tiffin, Ohio.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

PLANT BARGAINS

	Per 100
ASPARAGUS SPRENGERI, 2½ in	$10.00
" PLUMOSUS, 2½ in	8.00
BAY TREES, 7 ft., with 24 in. heads, pair $15.	
CHRYSANTHEMUMS, all the leading var., 2 in	3.00
CANNA BURBANK, each 75c, per doz $8.00	
FERNS Adiantum Farleyense, 2½ in	10.00
" " 4 in	40.00
" Pteris Tremula and Serrulata, 2½ in	4.00
" in assortment for Ferneries	4.00
GERANIUMS Double New Life, Mme. Bruant, and Fleur Poitevine	8.00
SMILAX, extra strong, 2 in	2.50
VIOLETS, California, field clumps	5.00
CHINESE PRIMROSES in separate colors, strong, 2 in	3.00

FIELD GROWN CARNATIONS

of the following leading varieties:
Alaska, Della Fox, Eldorado, McGowan, Minnie Cook, Portia, Tidal Wave and William Scott, $6.00 per 100.
Harrison's White, Mayor Pingree, Lily Dean, Mrs. H. Duhme, Mrs. Geo. M. Bradt, Maud Dean and Morello, $12.00 per 100.

ROSES

CLEAN, HEALTHY STOCK.

Brides, Bridesmaid, Perles, Kaiserin, La France, 2½-in., $4.00; 3½ in., $9.00 per 100.
Mermets, Mme. Hoste, Meteors, 2½ in., $3; 4 in., $7.
American Beauties, 2½ in., $5; 3 in., $7; 3½ in., $10.

GREENHOUSES, WESTERN SPRINGS, ILL. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET. CHICAGO.

ANDORRA NURSERIES.

WILLIAM WARNER HARPER, Manager, Chestnut Hill, PHILA., PA.

SPECIALTIES:

LARGE { *Specimen Ornamental Trees,* *Hardy Rhododendrons and Azaleas.*

NEPHROLEPIS EXALTATA BOSTONIENSIS

(Boston Fern.)

Plants suitable for 5-inch pots, $2.50 per dozen; $20.00 per 100. The best selling plant in the market.

H. F. LITTLEFIELD, Worcester, Mass.

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NEW CANNAS

LOGAN BERRIES

SPIRÆA ANTHONY WATERER.

FOR FALL DELIVERY.

Send for Price List later.

THE CONARD & JONES CO., WEST GROVE, PA.

Always mention the American Florist when writing to advertisers.

Council Bluff, Ia.

McPherson & Reed are making a few alterations. A part basement formerly used for sweet potatoes is being glazed and will be used as a palm house hereafter.

J. F. Wilcox has built five new houses 24x130, all modern throughout. The benches in three of the houses, which are to be devoted to roses, are entirely of oak, the other two will be filled with carnations. The new houses are glazed with 16x24 double strength glass, and the materials used were of the best, no expense being spared to make these the best houses in this part of the country. In building Mr. Wilcox has arranged for extensions to double the amount of glass just erected, as soon as business will warrant. A new violet house is under construction, 12x110. The large house formerly used for carnations has been entirely "gutted" and will be devoted to smilax and asparagus. A brick boiler room about 40x50 with an 85 foot brick smoke stack is another addition, also a 90 horse power boiler. Mr. Wilcox has control of the Foster & Son plant, which is devoted to vegetables and roses for summer blooming. G. R. H.

Erie, Pa.

With a range of houses filled to overflowing with the finest varieties of roses, carnations, chrysanthemums and violets, all of which look healthy, clean and well grown, Mr. Henry A. Niemeyer will be well prepared to meet all ordinary and extraordinary demands for flowers during the coming season. Mr. Niemeyer's chrysanthemums especially promise to surpass any of his previous efforts, both as to quantity and quality. Quite a number of the "very latest" have been introduced and are grown, both to the single stem and bush plants.

Mr. John Frost has leased a valuable piece of ground and has commenced building three houses, each 70x20. He is also building a residence adjoining the greenhouses.

Unless the unexpected happens to deter him, Mr. Niemeyer will join the Buffalo delegates and accompany them to Providence. HOMO.

TAUNTON, MASS.—Miss Ann Husband, elder member of the late florist firm of A. & M. A. Husband, died on July 30, aged 81 years.

GLOVERSVILLE, N. Y.—E. W. Giddings has leased his greenhouses on North Main street to J. E. Loeben, who will continue the business here.

BEVERLY, MASS.—The Beverly Improvement Society proposes to hold a flower show at the City Hall from 2 to 10 o'clock p. m., September 2.

ORCHIDS the Finest Stock in the World. ORCHIDS
For Florists.
SANDER, ST. ALBANS, ENGLAND. and BRUGES, BELGIUM.
AGENT:
A. DIMMOCK, 114 Chambers St., N. Y. City.

PALMS. ROSES. FERNS.
17 PALMS, 3 to 4-in., of best vars., and 2 FERNS for $3.00. Per 100
MONTHLY ROSES, 2-inch $3.00; 3-inch.... $5.00
A. CUNEATUM (Maidenhair fern), 3-inch . 5.00
4-inch $8 per 100. Clumps from bench.... 12.00
Plants, Labels, Moss, Mailing and Express Boxes.
Florists' and Nurserymen's Supplies.
SEND FOR OUR NEW LISTS.
WILLIAMS & SONS CO., Batavia, Ill.

FLORISTS .. ..
ATTENDING THE
CONVENTION
Should not fail to inspect our Trade Exhibit of
DECORATIVE PLANTS
which represents the class of goods we send out. Our representatives will cheerfully answer any questions, as they will be constantly in attendance.

In going to or coming from the Convention, we will be very pleased to receive a personal visit from all Florists to inspect our stock of Palms, Ferns, and other plants of which we make specialties.

PITCHER & MANDA, Short Hills, N. J.
JOHN N. MAY, RECEIVER.
May be reached from New York by either Christopher or Barclay Street Ferries to Hoboken, thence by Delaware, Lackawanna and Western R. R. Trains hourly. Distance only 18 miles.

JOHN H. DUNLOP,
WHOLESALE ROSE GROWER AND FLORIST,
LANSDOWNE AVE. and BLOOR ST. WEST,
TORONTO, CANADA,
Invites Florists attending the Convention to visit his Greenhouses.

If you are in the neighborhood at any time give me a call and inspect my houses and stock.
WILL BE PLEASED TO SEE YOU.

ARE YOU BUILDING OR REPAIRING?
YOU WILL NEED SOME OF THIS MATERIAL.
MASTICA, for glazing greenhouses, new or old, $1.00 per gallon.
MASTICA GLAZING MACHINE, $1.00 each.
LIQUID PUTTY, manufactured expressly for greenhouse work, per 25 lb. can $1.75.
SCOLLAY'S PUTTY BULB, 85 cents each.
VAN REYPER GLAZING POINTS, per 1000, 60 cents; by mail, 75 cents.

GALVANIZED PLANT STAKES.
2 feet . . . . . $ 5.00 per 1000
3 feet . . . . . 7.50 "
4 feet . . . . . 9.50 "
5 feet . . . . . 12.50 "

HARRISII BULBS
NOW READY.
Good, sound, healthy bulbs. Send for our Bulb Price List.

ELLIS & POLLWORTH, Box 75, Milwaukee, Wis.
When writing mention American Florist.

VIOLETS MY SPECIALTY
All first-class plants. Orders received now for fall planting. Marie Louise, Princess de Galles, California. LILAC, 3-year grafted Charles X and Marie. Legraye, good forcing plants. Prices on application.
FERD. BOULON, Sea Cliff, L. I., N. Y.

CYPERUS.
A few thousand strong Cyperus (Umbrella Palm) from 2 1-2 inch pots, $4.00 per 100.
IOWA SEED CO., Des Moines, Iowa.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS,

AND FLORISTS' SUPPLIES.

88 Wabash Avenue, **CHICAGO.**

FOR THE COMING SEASON

we are making special preparations that will place us in a position to handle consignments and shipping orders to better advantage than ever before.

GROWERS WHO WISH TO CONSIGN TO THE CHICAGO MARKET SHOULD CORRESPOND WITH US BEFORE SENDING ELSEWHERE.

THOSE WISHING TO RECEIVE OUR REGULAR QUOTATIONS WILL PLEASE SEND THEIR NAME AND ADDRESS SO WE MAY PLACE THEM ON OUR MAILING LIST.

BEST STOCK. WELL PACKED. PROMPTLY SHIPPED.

BY THE OLDEST AND MOST RELIABLE FIRM IN CHICAGO.

All flowers in season at lowest market price. Our store is open till 6:30 P. M. and on Sundays and Holidays till noon.

Full Line of Florists' Supplies and Wire Work a Specialty.

KENNICOTT BROS. CO.

88 Wabash Avenue, CHICAGO.

Dreer's Invitation to the Delegates

OF THE

SOCIETY OF AMERICAN FLORISTS.

Florists visiting the Convention to be held in Providence, August 17, 18, 19 and 20, 1897, will find our

Exhibition of Decorative Plants,

Such as **Palms, Ferns, Araucarias, etc.,** to be the most complete and comprehensive display of the kinds and sizes that we grow in quantity. There will also be an exhibit of Seasonable Bulbs.

Our representatives, Messrs. Walter Mott and John A. Ruppert will be in attendance, and pleased to show stocks, furnish prices and give any information desired.

Delegates passing through Philadelphia or New York en route to Providence will find it to their advantage and interest to call at our Nursery in Riverton, New Jersey, and personally inspect stocks that are admitted to be the best in the country. We show six Acres of decorative plants under glass, an object lesson to prove that home grown plants sold at moderate rates are what the people want. Time cards and information how to stop over, cheerfully mailed.

HENRY A. DREER, 714 Chestnut St., Philadelphia.

ASPARAGUS PLUMOSUS PLANTS.

2½-inch ..... $5.00 per hundred.
3-inch ..... 8.00 per hundred.
4-inch ..... 10 00 per hundred.

CASH WITH ORDER.

F. BURKI, Bellevue, Pa.

SMILAX strong 1 year plants, 2½-inch, heavy, $2.50 per 100.
2¼-inch, ditto, $1.75 per 100; $15.00 per 1000.

NARCISSUS Single and Double Poets, 75c per 100; $5 00 per 1000. Single and Double Von Sion, etc., 75c per 100; $5.00 per 1000.

All home-grown.

ADIANTUM REGALIS, indispensable for florists, $1.00 per dozen; $8.00 per 100.

F. A. BALLER, BLOOMINGTON, ILL.

Fern Pteris Tremula

NOW READY.

In excellent condition, from 2¼-inch pots, 10 to 12 inches bigh, ready to shift to 4s, $3.50 per 100; $30.00 per 1000.

R. WITTERSTAETTER, Sedamsville, O.

VIOLETS.

10,000 strong field clumps, California and L. H. Campbell for fall planting. **Ask for prices.** Campbell, M. Louise and Swanley, fine 2½-inch for benching now. Price, $3.00 per 100.

SMILAX, 2½-inch, fine, $2.50 per 100.

BENJ. CONNELL, FLORIST, West Grove, Pa.

PRIMULA OBCONICA.

Very fine plants, some in bloom, 3-in. pots . . Per 100 $5.00

BEGONIA REX, 10 vars., 3-inch 5.00
CYCLAMEN GIGANTEUM, 3-in. 8 00
GIANT CALIFORNIA DAISY, strong, 3-in., fine for winter cutting 5.00
HELIOTROPE, Lemoine's Brilliant, strong, bushy, 3 in., immense trusses 4.00
BEGONIAS, ROOTED CUTTINGS, Hunnewell, the best Begonia out 2 50
Metallica, alba picta, etc., by mail 1.50

GEO. J. HUGHES.

Berlin, N. J.

Always mention American Florist.

Sharon, Pa.

It is hustle and bustle with Mr. M. I. O'Brien, who seems determined to get through with the general repairs about his plant and put his houses in perfect order ere leaving for Providence. "There is a deal of satisfaction," he remarked, "to realize that while you are enjoying yourself at a convention, things have not been neglected at home."

Mr. O'Brien will join the Pittsburg delegates, 30 strong, whose course of travel, both by land and sea, proves that the boys are determined to have a good, jolly time.

Mr. John Murchie is not quite so fortunate as to be able to attend the convention. It is a case of "business before pleasure." In addition to a good deal of work on general repairs, such as renovating benches, painting, etc., he has now in course of erection a house covering 150 x20, as well as a more commodious potting shed. Both are being built with a view to convenience and adaptability.

Florist McConnell is on a fishing tour and at last accounts they were doing quite well, I mean the fish in the river. Mr. McConnell has repainted and overhauled his houses. HOMO.

Massachusetts Horticultural Society.

Number III of the transactions of the Massachusetts Horticultural Society for the year 1895 has been received. It is a list of the accessions to the library of the society during the year. The list enumerates 650 volumes, giving number of pages, size and thickness of book and name of donor. A communication from the President, Francis H. Appleton, accompanying same is as follows:

The Massachusetts Horticultural Society was incorporated in 1829, "for the purpose of encouraging and improving the science and practice of horticulture." The chief means by which this end has been sought are horticultural exhibitions, the library, and lectures and discussions on subjects connected with horticulture. Among these the library stands prominently as a source of scientific and practical information on horticulture, yet it is felt that the actual usefulness of the library is less than its possibilities, and the object of this circular is to increase its usefulness. It may not be generally known, even to the members of the society, that the library appears to have attained an extent and value exceeding that of any other horticultural library in this country, and excelled by few in the world. The accompanying list of accessions to the library during the year 1895 will give some idea of the rapidity with which it is growing, which is greater than ever before.

Though only members of the society can take out books for home use, all who desire are cordially invited and welcomed to consult its books in the library room, and all such will find a great convenience in its central location—at Horticultural Hall, No. 101 Tremont street, Boston.

THE Royal Agricultural and Botanical Society of Ghent, Belgium, will open its 14th International Horticultural Exposition April 16, 1898. Copies of the prize list and further details may be had by addressing the secretary of the society, M. Fierens, Coupure 135, Ghent, Belgium.

It costs 4 cents for each 600 feet of floor space.

Kill the Bugs! AND SAVE THE BLOOMS

Does not injure the most sensitive plants. Endorsed

Nikoteen

by prominent florists. Used for fumigation or spraying indoors or out. 200 pounds of tobacco in one pint of Nikoteen. Sold by seedsmen. Circular free. SKABCURA DIP CO. CHICAGO.

Quickly Does It.

BOUGAINVILLEAS.

GLABRA (?) AND GLABRA SANDERIANA.

These grand plants are bound to become **Leading Decorative Subjects.** The beauty and durability of their bloom (bracts) combined with their protracted flowering period—extending almost through the Florists' Season—make them specially interesting and attractive objects. Their freedom and durableness of bloom with quick recurrence of same may be truthfully described as wonderful. Our plants in past two seasons have flowered almost **continually** from Christmas to July, entire **heads being** available for late June decorating.

Both varieties are strong, rapid growers, **very easily** handled, not subject to any insect pests and not at all particular as to temperature or treatment.

Every florist will want them, if for Easter plants only, as the ease and certainty with which they may be flowered, coupled with their other qualities, leave few rivals for that season that can be handled with so much satisfaction and profit.

For some opinions of the merits of these plants see

The American Florist, Nov. 3, 1894.		*Article by A. Dimmock.*
" " "	*April 27, 1895.*	*Article by J. B. Keller.*
" " "	*April 4, 1896.*	*Illustration and Notes.*
" " "	*June 19, 1897.*	*Miscel. Notes, Wm. Scott.*
" " "	*July 10, 1897.*	*Article by P. J. Berckmans.*

AND send for Circular of Comments and Facts.

A NICE STOCK OF BOTH VARIETIES READY SEPT. 1st.

THEO. F. BECKERT, Glenfield, Pa. 9 Miles below PITTSBURGH.

HAVE YOU MILDEW IN YOUR GREENHOUSES?



GRAPE DUST is put up in 5 lb., 10 lb and 25 lb. bags, 100 lb. kegs and 200 lb. barrels. Will preserve your roses, carnations, etc., from damage.

SOLD BY THE WHOLESALE SEEDSMEN OF AMERICA.

SLUG SHOT KILLS SOW BUGS AND INSECTS.

If you want a 5: sample to try and will pay expressage, you can have have it on appl cation to

HAMMOND'S PAINT & SLUG SHOT WORKS, Fishkill-on-Hudson, N. Y.

"JADOO"

FIBRE. Every plant grown in it, thrives without earth.

LIQUID. The best, safest and cheapest Fertilizer sold.

THE AMERICAN JADOO CO.

U. S. Patent & Trade Mark. **815 Fairmount Ave., PHILADELPHIA, PA.**

EXTRA FINE PLANTS OF

Bride Roses,

in 4-inch pots, at $4 00 per hundred.

JOHN LODDER & SONS, Hamilton, O.

FOR SALE.

Very fine Specimens of PANDANUS VEITCHII, ANTHURIUMS, CROTONS, Twelve Standard PALMS, 8 to 10 ft. high, in first-class condition. Will be sold in one lot or singly. CHEAP FOR CASH.

Address HELEN A. SMITH, Box 628, ROCHESTER, N. Y.

SEE OUR SAMPLES

AT THE

CONVENTION

Our stock this season is LARGER and FINER than ever before.

IT WILL PAY YOU TO EXAMINE AND GET PRICES.

ROBERT CRAIG,

49th and Market Streets, PHILADELPHIA, PA.

Genuine Boston Fern

(N. EXALTATA BOSTONIENSIS.)

$5 to $25 per 100. Prices on Specimen Plants on application.

KENTIAS, from $6.00 per dozen to $10.00 each

LATANIAS, from $6.00 per dozen to $3.00 each.

PRIMROSES, 2½-in. pots, $4.00 per 100.
" 3½-in. pots, $6.00 per 100.

RUBBER PLANTS, 6-in. pots, $6 per doz.

WM. A. BOCK, No. Cambridge, Mass.

Ferns, Violets, Roses & Smilax

	per 100	per 1000
ADIANTUM CUNEATUM, 2-inch pots	$3.00	$25.00
Transplanted seedling FERNS, from flats	1.25	10.00
MARIE LOUISE VIOLETS, 3-inch pots	3.00	25.00
SMILAX, 2-inch pots	1.50	10.00
PERLE, BRIDE & BRIDESMAID ROSES, 3-inch pots	5.00	

Field-grown CARNATIONS. Prices on application.

THE BOOL FLORAL CO., Ithaca, N. Y.

HEADQUARTERS FOR

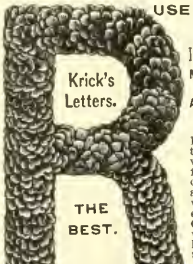
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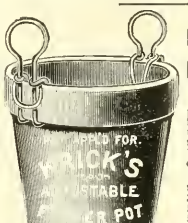
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THE

Perfect Flower Pot Handle and Hanger

is used for lifting plants out of jardinieres, also for hanging up plants for decorations on walls, etc. Will sustain a weight of 100 lbs.

No. 1 will fit from 2 to 5-inch pots, per doz. 35c; No. 2 will fit from 5 to 8 in. pots, per doz. 50c; No. 3 will fit from 8 to 12-in. pots, per doz. 60c. Postage 10 cents extra per dozen; sample pair 10c. postpaid.

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3	ft. x 6 ft.,	3 rows 10 in.	glass.
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Not glazed, 1¾ in. thick.

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TRADE BETTER.—LAWN PARTIES MAKE UNUSUAL DEMAND FOR FLOWERS.—MR. DUNBAR TAKES AN EXTENDED TRIP.—FINE COLLECTION OF TREES AND SHRUBS AT HIGHLAND PARK.

In the month of August no florist can or will expect much demand for cut flowers. Trade is generally very slow at this time of the year and flowers are very low in price, yet our store men manage to dispose of quantities of flowers every day in the week, though the profits on these sales may not be very large. On an average, business this summer has been rather below the usual, but for the last few weeks the demand has increased to such an extent that most of the retailers are really surprised. Lawn parties are in fashion more than ever and cut flowers are largely employed on such occasions. They do not call for very elaborate decorations nor for very choice or selected flowers, but quantities of showy and bright colored out door stuff of every description are used extravagantly, creating a heretofore unknown demand for common summer flowers. The market, however, is always well supplied and there is no scarcity of such stock.

Mr. John Dunbar, assistant superintendent of parks, is off on his annual vacation, visiting New York and Brooklyn parks and several celebrated private places on Long Island; then he will travel up the Hudson and stop at many of the handsome villas and pleasure grounds in which the country abounds and proceed to view the parks of Boston and the celebrated Arnold Arboretum. Mr. Dunbar is specially devoting his energies to rare trees and shrubs and is a well known authority on them.

At Highland park he has planted a large and choice collection of shrubs, which is equal if not superior to any other in the country, but nearly all of them are small yet and young, though growing vigorously now, and in a few years we will see all of them in perfection. Mr. Falconer, of Schenley Park, Pittsburg, on a recent flying visit, expressed his astonishment at finding so great a variety of rare shrubs doing well here in such a limited space. A place can be found here for most anything, the deep ravines affording shelter for the more tender species and on the hills and plains the hardier sorts find a congenial home.

K.

Kingston, Pa.

Despite the season, or the proverbial midsummer dull spell, I found Mr. Geo. W. Carr exceedingly busy during a recent visit to Kingston, the occasion being an elaborate wedding decoration. Verily, there is no rule without an exception. Palms, Asparagus plumosus, sweet peas and the humble field daisies were artistically blended, the effect being most attractive. A feature was a huge marriage bell composed of daisies and fringed with asparagus.

Mr. Carr's houses underwent some repairs and are now in splendid condition. His general stock looks fine and well grown. HOMO.



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MANUFACTURERS OF
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Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.
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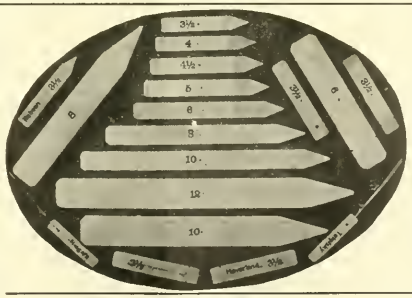
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Omaha, Neb.

BUSINESS AT A STANDSTILL.—BUILDING AND REPAIRING.—VARIOUS ITEMS.

Business is at a standstill and has been for the past month. Funeral work has formed the greater part of the business. The extremely hot weather during the month of July has put the outdoor stock in a frightful condition. Sweet peas are a drug on the market; plenty of roses and carnations, but of an inferior quality. Roses are bringing 50 cents and carnations 25 cents at the highest.

A visit to the various houses finds the usual summer work in full blast, some building and making a few changes while others are putting in new benches. Several have their roses planted. 'Mums are looking fine and prospects are good for a large cut.

Lewis Henderson, of So. Omaha, is building a nine room residence joining his greenhouses on the west.

A Delanney, also of So. Omaha, is busi'y putting in new benches and a short extension to one of his houses.

George A. Joslyn has commenced work on his private conservatories.

J. W. & E. E Arnold are putting in new benches throughout. J. W. Arnold is out on his usual summer tour of the mountains.

Hess & Swoboda are building two north and south houses and putting a new roof on one of the old ones. A new boiler and potting shed has also been erected.

Mr. Jensen, on west Leavenworth street, has a small house under construction.

Sam'l R Faulkner has put up an extension 16x56 to one of his other houses and has a violet and carnation house 12x36 under construction. Mr. Faulkner's son Will has been with the Hanscom Park conservatories since early last spring.

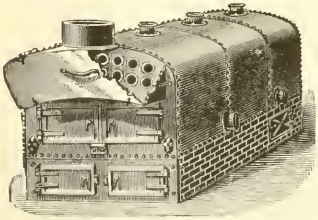
Mr. Spero, representing Chas. Z nn & Co., of New York City, was a pleasant caller last week.

Mr. Dole, of S. H. Dole & Son, Beatrice, Neb., spent a few days in looking over stock last week.

Mrs. S. B. Stewart is visiting friends and relatives in Chicago. G. R. H.

THE Pittsburg parks recently ordered $1200 worth of trees and shrubs from Elwanger & Barry, Rochester, N. Y. Director Bigelow rejected a slightly lower bid, holding that the standing of the above old established firm insured first-class stock and that under the circumstances their bid was really the most acceptable.

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IMPROVED
Greenhouse * Boiler,
29 to 59 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.
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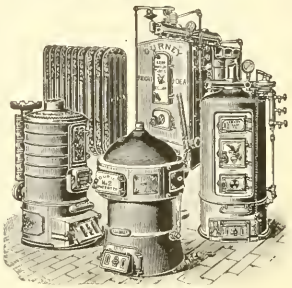
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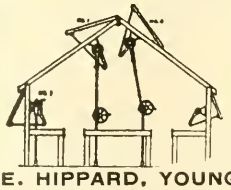
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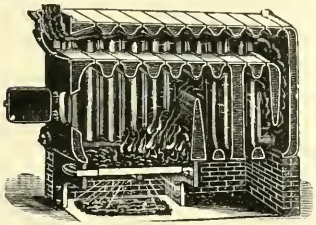
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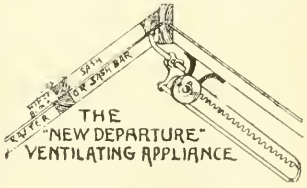
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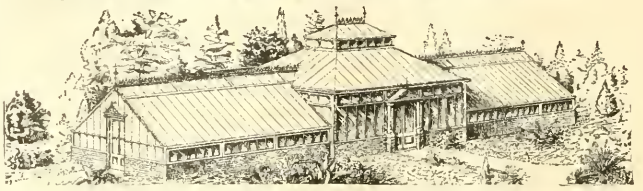
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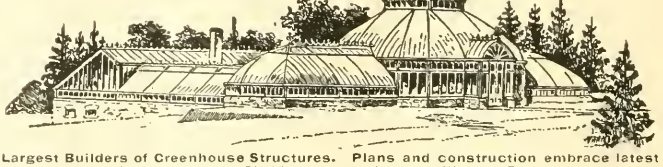
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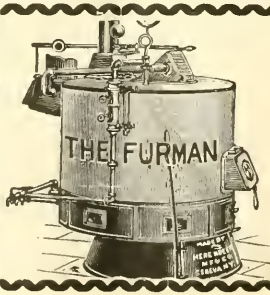
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A WEEKLY JOURNAL FOR THE TRADE

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THE REMAINING ASSETS of Sioux City Nursery & Seed Co., were sold July 30, realizing about $15,000. The seed house, grounds, good-will, supplies and a large portion of the stock were bought by the receiver of the Sioux National Bank, and he has requested E. S. Weatherly to take the management of it.

WEST GROVE, PA.—L. G. & H. G. Wilson have sold their greenhouse property, consisting of five houses and two acres of land, to Beitler and W. Brown.

THE PROVIDENCE CONVENTION.

Tuesday Morning Session.

The thirteenth annual convention of the Society of American Florists opened in Music Hall, Providence, Tuesday morning under most favorable auspices. The large hall had been most elaborately decorated for the occasion by the Providence brethren and the plants and flowers so freely used were of first quality throughout. An excellent orchestra supplied good music until the time for opening and nothing had been left undone to make the delegates feel that they were truly welcome.

The first session was opened by a few warm words of welcome from President Farquhar Macrae of the Florists' and Gardeners' Club of Rhode Island, who then introduced Mayor McGuinness. The mayor of Providence is a most pleasant speaker and was quickly in sympathy with his hearers. He expressed much gratification at being privileged to welcome to Providence the representatives of such an important body of men as the associated florists of America. He considered florists to be artists rather than mere business men and that their work was highly educational as teaching a love for the beautiful. He spoke feelingly of the various uses of the flowers and said that no man was thoroughly depraved who had in his heart a love for flowers. He closed by saying "May the memory of your visit to our city be as sweet as the fragrance of your own flowers." His address was received with long continued applause, and was responded to on behalf of the society by Mr. W. W. Coles, of Kokomo, Ind., who spoke as follows:

MR. MAYOR, LADIES AND GENTLEMEN OF PROVIDENCE:—It affords me great pleasure on behalf of the Society of American Florists here in convention, to respond to the warm words of welcome spoken by the honorable and highly respected mayor of this important, interesting and prosperous municipality. Taking everything into consideration, it seems to me that as a society we are very fortunate in having the privilege of meeting in this city, among other things, to enjoy the hospitalit[illegible]ich you so generously accord us, becau[illegible] of your promises to make it pleasa[illegible] us during our sojourn among you, m[illegible]ecat[illegible]th reputation which you su[illegible]ai[illegible]ad this direction.

The name of yo[illegible] city [illegible] cant—Providence—[illegible] at what our coming an[illegible] to have been providentia[illegible]e r[illegible] minded of the historical fact t[illegible] nis city has age and an interesting hi[illegible]ry more or less eventful. It is recorde[illegible]hat in 1776 you had a population of 4[illegible] souls, since the close of the revolution[illegible], population, like other commendable things worthy to be named and praised has increased steadily and substantially. Your city gives visitors the impression that you have much wealth, an evidence, possibly, that Providence has favored Providence. We observe that your manufactories are many and varied, and this city is a manufacturing centre of extensive commercial and industrial interests. Your silver ware found upon the tables of this and other lands tell us that your trade is extensive.

As we look upon your magnificent parks, public buildings, monuments, beautiful cemeteries, and your palatial homes, we are satisfied that many of you are in love with the beautiful, and hence, we are not surprised to find ourselves here, whose life's work it is to beautify and enrich life. We do not believe that flowers are trifles. Our observation is that "murderers do not ordinarily wear roses in their buttonholes and that villains seldom train vines over their cottage doors." Your many and well supported charitable institutions, after which other cities making large pretentions have patterned, speak of your philanthropy, generosity and benevolence. Where institutions of this sort are founded and flourish, are invariably the places where we like to live, build our homes and rear our children.

The high character of your incorporated educational institutions, including your public schools, is widely known, and they do speak emphatically of your culture, refinement and commendable enterprise. In certain respects your city is as ancient Athens is said to have been, full of sights worth seeing and valuable information,—a good place in which to learn splendid and valuable lessons. Your churches, so numerous and beautiful in architectural design, speak to us and the world of your religious history and life today, the secret of your charitable and educational institutions.

There are educational advantages here offered the Society of American Florists, of which the society should avail itself during its brief sojourn here and we have no doubt that your hospitality will warm our hearts, and lessons of your thrift and industry in various directions will do us good. We hope that our coming among you will bring you no bad luck, this being our thirteenth annual convention. Mr. Mayor I am sure I voice the sentiments of the S. A. F. when I most heartily thank you for your warm and cordial welcome.

After the applause with which this response was greeted President Adam G[illegible]ham of the S. A. F. was presented and he [illegible]d his address as follows:

President Graham's Address.

'LADIES AND GENTLEMEN, MEMBERS OF THE SOCIETY OF AMERICAN FLORISTS:—After a two year's campaign west of the Allegheny Mountains our society comes

back to the east, the stronghold of advanced horticulture in our country.

While we have no reason to regret our experience in the Middle States, where the work accomplished was of a character which we feel assured will leave a lasting impression for the benefit of our profession in its influence on the communities where these meetings were held, yet a broad and correct conception of the aims of the society will bring the conviction that we cannot fully accomplish our mission unless we carry the banner of the society into every section where its presence and influence may advance and promote the interests of the noble profession in which we are engaged, and where its unifying qualities may be brought to bear with advantage.

It is nevertheless a very great pleasure as well as a privilege to assemble here in the good old city of Providence, within an easy journey for all our friends from Washington, Baltimore, Philadelphia, New York, and last, but far from least, Boston. With such favorable surroundings we surely cannot fail to have a pleasant and a profitable convention.

We come here, not expecting to be able to teach our friends here how to love and cultivate all that is most beautiful in nature, for the people of New England have these lessons constantly before them in many magnificent parks and pleasure grounds, and in hundreds of beautiful private establishments. Rather do we come to draw inspiration from these beauties that have resulted from man's skill and intelligence, and to hear from the lips of riper experience than ours the lessons that will enable us to go back to our homes better and stronger for the same battles there. In all these matters the men of the east have been leaders and teachers equal to the best in the world. And because these things are so, few of us expect or hope to contribute as much as we receive, believing as we do, moreover, that from the general fund of information here each should be able to take more than he gives, as aggregate knowledge must always far exceed that of the individual. So I should say to each one here: Improve these opportunities that are before you. Our hospitable brethren of Providence give us a kindly welcome; the Society of American Florists provides instruction on many important subjects, on all of which nearly every one of us is still open to further information.

Our friends at famous Newport will show us what wealth and skill well applied can do toward improving a scene of great natural possibilities. Go to Newport and inhale the pure and invigorating sea air and enjoy one of the grandest views that the Atlantic coast anywhere offers to the eye of man. Or if these things be not to your liking, and you long for other means of relaxation to drive the cares of business away, you will find suitable opportunity in the various ways provided.

In regard to detailed information as to the finances and membership particulars will be forthcoming in the reports of our secretary and treasurer respectively.

The national charter which we hoped the government would grant us before this time is still under consideration at the capital by the powers that be. This is not by reason of any lack of hard work and earnest endeavor Mr. Smith, once our honored president, and always our tried and staunch friend, has labored with unflagging zeal in our behalf, and so far succeeded in his efforts as to have it passed through both branches at the last congressional session. But either through some unfriendly influence or through a misapprehension as to its purposes President Cleveland saw fit to veto the measure.

It has been suggested that by adding the words, "Ornamental Horticulturists" to our present title we should be better able to express the purposes of our organization, and we should at the same time facilitate the acquisition of the charter by removing the objections which some have raised to the present apparent narrowness of the scope of our operations. This amendment, with some other proposed changes in the by-laws of the society, will be submitted for your consideration at the proper time.

At the executive committee meeting in March Messrs. May, Harris and Manda were appointed a committee to correspond with the congressional committee of ways and means in reference to certain proposed changes in the tariff regulations and their effect on our business. They were also to appear personally before the committeee, if necessary, and present such facts and arguments as would aid congress in arranging as just and acceptable rates as possible upon imported plants, bulbs, and so forth.

These instructions to our committee were given only after a very thorough and careful discussion of the whole situation, which is a much more complicated matter than appears at first glance. Aside from the proposition to increase the first cost of imported stock, it was necessary to consider to what extent the resultant added expense to the final consumer would cause him to take other goods that, under present conditions, are entirely a home product. For instance it is common knowledge that under the past few years' tariff laws bulb flowers of all kinds have been sold so low that they undoubtedly were many times purchased solely because they represented the greatest return for the money to the average buyer, thereby leaving upon the home grower's hands stock that was produced by American skill and capital. There is also to be remembered the fact that this twenty-five per cent tariff represents that much direct, absolute protection against foreign competition. It would appear as though this advantage, combined with those of far cheaper land and more efficient labor and methods, should enable us to keep at home a great deal of the business in plants of all descriptions that heretofore has been done abroad.

Certainly the experiment seems well worth trying, though it is possible that natural conditions may be too much against us in the matter of Dutch bulb culture. These are some of the points that have been considered. Whether or not the reasoning has been sound experience can alone determine. There can, however, be no question as to the absolute justice of the duty levied upon articles of this character so long as the government is in need of money to meet its urgent annual expenses. As patriotic citizens we should not object to bear our share of the burden. To distribute the balance of this extra charge equitably among those who deal with us is a matter between us and those who buy of us, and the result will depend largely upon the wisdom with which we conduct our business.

Upon the suggestion of Mr. May the executive committee passed a resolution requiring the secretary to compile an annual list of all American novelties introduced during each year, together with the names of the originator and introducer, in addition to such information in reference thereto as would be likely to be of interest or value to the trade and the public; the same to be published exclusively in the annual report of the society. A report of this kind would undoubtedly be very desirable and valuable, but can only be made correct, or approximately so, by great care and labor on the part of the secretary, together with the hearty assistance of members of the trade.

At the same meeting a committee consisting of Messrs Rudd, Smith and May was appointed to work with the experiment stations in the investigation of fertilizers as applied to plant growth. The work assigned to this committee is of very great importance, and these very capable gentlemen should receive every aid possible in order to make their investigations and experiments productive of correct and profitable results.

It has also been suggested that wherever possible so to do we select some place for the holding of our meetings where facilities can be had for a large display of horticultural exhibits under cover of a tent or similar inexpensive and suitable enclosure. Whether the society endorses this suggestion or not, it certainly has some advantages to recommend it. At many of our meetings we have been more or less cramped for space, even where nothing more extensive than a trade extent has been attempted. We have been obliged on more than one occasion to occupy two halls, sometimes a considerable distance apart. This certainly is not very encouraging to exhibitors or convenient for members. This being so such a condition can not be to the best interests of the society. If we had assured facilities for holding our meetings in connection with an exhibition upon a scale more comprehensive than anything we have as yet attempted it would be an attractive feature both for members of the society and the general public, hence of value to the trade and the society.

The past few years, as we all too well know, have been a period of extraordinary business depression, and in some degree we have all felt its effects. But when we consider the immense and constantly increasing quantity of our productions it will surely be conceded that we have come through the ordeal with less disastrous results than any other business interests.

Our society, as might have been expected, has not entirely escaped the general depression, but we have reason to be gratified that we have so well maintained our position, and that so many of our members have stood by the colors through every discouragement with a loyalty which should give us encouragement and confidence in the future prosperity and usefulness of the society. It would not be candid, however, to attribute the present stationary condition of our organization entirely to business causes. Although it may appear somewhat like a reflection upon the good business judgment of many of the craft, it is nevertheless true that many of them take no active interest in the work of the society. Some do not stop at this point, but go further in adverse and not overfriendly criticism from the outside, instead of attempting to better what they object to from the proper position. These critics should bear in mind that destruction has always been easier than construction, and that an edifice, however faulty, is better than no building at all. The best way to correct architectural faults



CHICAGO FLORISTS AT MR E. BUETTNER'S, PARK RIDGE, ILL

is not necessarily to attack the foundation of the structure.

Aside from these there is another and far larger class that stands outside the society asking of what benefit it would be to them individually to join such an organization. In answering such a query I should like to lay more stress than is usually done upon the unification that has been accomplished throughout the trade since the society has been established. Prior to that time the florist nearly everywhere was a solitary individual, hardly recognized by the world as a unit in a great and growing industry. He had absolutely nothing in common with the craft in other cities, and not very much with his own fellow-tradesmen in his own city. Trade papers of general circulation and recognized authority among commercial florists did not exist. Local clubs were confined to a very few of the largest cities. Methods of construction, heating, ventilating, many of the processes of cultivation, and sale, were of the crudest character.

There is nothing in these statements that should be construed to mean that the Society of American Florists alone has brought about the wonderful results of late years. But what is meant, what I desire to lay particular emphasis upon is this, that through this organization, through the development of this tangible body, has come the feeling of strength, the sense of power to do those things that for the benefit of the trade in general and the individual in particular should be done. The melancholy hermit, abiding in various more or less dilapidated, flue-heated structures, conscious of his own littleness and feebleness compared with other callings, and forgetting to what degree his was intrinsically the better and nobler occupation, has given place (or is fast doing so) to modern methods of conducting operations.

The florist of to-day feels himself more than ever a member of a great and growing profession, worthy of ranking with the greatest and best. He has recognition and respect from the general public, not alone for himself but for his business. He can buy or sell in various markets. He gets reasonable consideration from transportation companies. He can attend, if he wishes, various exhibitions, general or special in their character, but all educative in his business and broadening in their tendency. By his trade papers he may keep in touch with the best and most modern methods. As I have said before, our society has not done all these things nor all of the many others that you all can recall. But I do say that without that convention of earnest workers in Cincinnati years ago the recognition of the potential power of the florists in America might have gone unrealized for many years, and we to-day should be as a whole far behind our present stage of progress. Some of these things have been made possible, and all of them have been helped by the society.

These are real, tangible, solid benefits, of which the trade in general has reaped the profit, and this is an answer to him who asks of what use has the Society of American Florists been to him. And if these benefits are to be retained, and increased in many ways impossible to forecast until the emergency arises, this sense of unity, of existence as a solid, compact and serviceable body, must be maintained and increased either by this society or some similar body. It is the real visible embodiment of the influence and power of the individual florists of America.

The rule holds good for the various auxiliary societies as well. While they do not perhaps in every case owe their existence to the original organization, yet they arose from a special need, the sense of which has developed in the parent association. The advance made in some of these special flowers, to promote which the smaller organizations were established, has been remarkable.

It may be well to notice here in this connection that the chrysanthemum society proposes to have certificates prepared during the present year in which provision will be made for the endorsements of the president and secretary of the Society of American Florists as well as the officers of the Chrysanthemum Society itself. The president of your society was also requested to appoint a committee to work with their committee in making awards to new chrysanthemums entitled to these joint certificates. Some such system appears to have many advantages, and is calculated to maintain and enlarge the influence of the national society, at the same time giving more weight and importance to the work of the chrysanthemum society.

To the national organization many of the local clubs, now scattered throughout the country, owe their existence and usefulness in their different spheres. Whenever it has been determined to hold a convention in a certain city the necessity for a local organization has at once been felt and the want supplied, and the result has been to bring florists together for this purpose in a way impossible to have accomplished otherwise. These clubs hold together afterward and exercise their solidifying influence in many ways, even where their members are not all members of the national society. It would seem, therefore, as though some means of connecting our local organizations more closely with the national one would present many advantages to all parties concerned, and a thorough canvass of the situation should result to the benefit of us all.

In years gone by such men as Peter Henderson, Robert Buist, and others, men of strong individuality, strict integrity and great business ability, men who came to this country with nothing but these qualities and an indomitable pluck and energy to carry them through, fought their way to the front and became recognized leaders in our industry. These men were looked up to within the various spheres of their activities, and to a certain extent within those limits they furnished example and instruction in the various branches of horticulture and floriculture. They stood for the forces of organization and intelligent effort, and as such were looked up to by the gardeners of their day. I do not doubt that many to-day still owe a great deal to the inspiration of these men.

But the enormous expansion of the limits of capital and labor involved in our business makes the domination of a few individuals no longer possible. We must have a greater, broader, and more impersonal organization around which the trade can rally. This centralization is recognized as absolutely necessary for the best results, whether the matter at stake be religion, politics, or plain business; and so far this subject has been treated purely from a business point of

view, because circumstances compel the most of us to make business considerations the fundamental ones.

The occupation that we follow is in itself one of the most beautiful, the most interesting, and ennobling, that the development of man's higher nature has brought into existence. It has always seemed to me that the intimate contact with nature and her various complicated processes that our calling makes necessary should tend to make us better men in every way. We see, or should at least do so, in the constant contemplation of these marvellous processes, the delicate handiwork of an influence far beyond our present powers of comprehension. We should feel, I think, that all the small matters about which we so constantly fret and worry, are after all but trivial things and little worth the trouble, and that after all the great things, those really worth striving for, lie far aside along the path of mutual trust and assistance, and when in the pursuance of that end we use all the opportunities that organization offers, then, and only then the mission of our national society is ended and its work done.

A vote of thanks to the mayor for his hearty welcome was passed without a dissenting voice.

Secretary Stewart presented his annual report as follows:

Secretary's Report.

MR. PRESIDENT AND MEMBERS OF THE SOCIETY OF AMERICAN FLORISTS:

In the secretary's report at Cleveland last year it was shown that lapses from membership on account of unpaid dues appeared to be on the decrease. It now becomes my agreeable duty to note not only a continuance of this encouraging condition, but also to report substantial additions to our ranks, in new members and former members who have rejoined.

Our roll now contains the names of 786 member exclusive of those added at this meeting, of whom 561 are fully paid up to January 1, 1897. Of the 225 who still owe for 1896 128 owe also for 1895. There were added in 1896 68 new names, and 31 suspended members have accepted the special concession offered by the executive committee for reinstatement. The 68 new members for 1896 are credited to the various states as follows: Ohio 20; California, Massachusetts, Pennsylvania and Rhode Island 6 each; Michigan 4; Illinois; Missouri, New York, and Ontario 3 each; Indiana, Connecticut, Kentucky, Maryland, Utah, Wisconsin, New Hampshire, Tennessee, one each.

The unusually large number of accessions for 1897 and the vitality and widespread interest manifested would seem to indicate that our Society has passed safely through the period of depression which has been fatal to so many enterprizes, that the organization is very much alive and that the campaign of education will surely win.

We have sustained losses by death during the twelve months since our last meeting, as follows: Wm. Robinson, North Easton, Mass., died September 16, 1896; Ed. Wachendorf, Atlanta, Ga., December 10, 1896; H. L. Sunderbruch, Cincinnati, O., January 6, 1897; Wm Elliott, New York, January 16, 1897; David Fisher, Montvale, Mass., February 16, 1897; R. J. Murphy, Cincinnati, O., February 24, 1897; John Saul, Washington, D. C., May 11, 1897; D. H. Roberts, New York, July 8, 1897.

The executive committee met in this city on March 9th, 10th, 1897, all the members being present except Messrs. Beatty, Rawson and McCullough, for whom Messrs. J. N. May, E. A. Wood and W. A. Manda served as substitutes. There was much earnest discussion, and every suggestion for the welfare of the organization was carefully considered. An examamination of the various halls resulted in the choice of the place where we are now assembled. A graded schedule of charges for exhibition space was adopted, and a gentleman of ability appointed to superintend this important feature of the convention. In accordance with the expressed desire of many members it was decided to encourage the exhibiting of new and rare plants by offering a number of silver and bronze medals for competition at this meeting. A sub-committee was appointed to work in conjunction with the various State experiment stations in the investigation of fertilizers and other subjects of vital interest to plant growers. The committee also went on record as favoring the selection of a location for the next annual meeting, possibly in the suburbs of the convention city, where room and facilities may be had for making an out door display with ornamental planting, etc. The program for this convention was carefully planned that it might reflect, as much as possible, the spirit of progress, which is so essential to the prosperity of our Society.

One of the most important acts of the executive committee was to provide for a system of annual registration of new and introduced plants, with description, etc., the list to be compiled by the secretary, and its circulation confined to members of the Society. This is the first step towards a stand which your secretary has long believed to be inevitable if we would keep the organization on its feet permanently. The annual cost of maintainance in our present form is considerable, as your treasurer's report will show, yet we give unreservedly to the public and spread broadcast without any restriction in our favor, every detail of this meeting, papers, discussions, exhibition, in fact all there is in evidence here today of advancement in the knowledge and practice of our profession. Is the spirit of generous loyalty, of unselfish appreciation, abroad in the land sufficiently to make this philanthropic course a safe one while our sole means of revenue is the receipts from annual membership dues, and the usual result of efforts to collect these dues is the ill-will which too often, in the S. A. F. at least, seems to be a natural sequence of delinquency?

It is understood that the committee which has been laboring with the problem of an equitable fire insurance for greenhouse property is now ready to bring forward a practical scheme and here may be offered an opportunity, similar to that unwisely thrown away at the time of the hail insurance agitation, whereby this Society may command the support of the majority of those engaged in the greenhouse industry. The proposed amendment to the by-laws, establishing a life membership fund may if adopted and well responded to, prove to be still another step towards a permanent, self-supporting existence. Anything that will tend to reduce the labor and expense of stationery, printing and postage on several hundred bills and duns sent through the mails several times a year is certainly worth trying.

The great, unsolved problem, as it looks in the light of the experiences of the secretary's office, is how to enlist the sympathy and financial support of our members who from business, pecuniary or domestic reasons or on account of remoteness from the place of meeting are prevented from attending the conventions regularly. We have in the distant state of Californian, for example, 10 members who are paying their dues annually, without complaint, and a message of congratulation and good fellowship comes with every remittance. What do they enjoy in return, other than the pleasant consciousness of having generously contributed towards the maintainance of an institution whose influence is exerted for the general good of the profession? The support of the stay-at-homes is indispensable, for even when we meet in the most populous centres and with the incentive of games and entertainments for those who enjoy them, the receipts from attendants at the convention cannot be depended upon to pay all obligations and have something left. What shall we give to the individual members of our organization, over and above what they can get practically for nothing, which will be recognized as sufficiently valuable to secure from the rank and file of the profession throughout the land their enthusiastic loyalty? Sentiment doesn't count here and literature is, unfortunately, in very light demand.

The demands on the secretary, particularly in the matter of correspondence, increase considerably each year, without relation to the number of names on the membership roll. A conservative estimate places the quantity of mail matter despatched from the secretary's office during the past year at over 6,000 pieces.

In closing this report I take the opportunity to thank officers and members for their uniform and kindly support at all times, and to congratulate the association on the heartiness with which those whom they have entrusted with the honors and duties of office have responded when called upon to do anything for the welfare of the Society.

Treasurer's Report.

Treasurer Beatty reported receipts for the year as $1883, which added to the balance on hand at end of last year made a total of $3511.51. Expenditures were $2490.32, leaving a balance of $1021.19 on hand Jan. 1, 1897.

Committee Reports.

The report of the executive committee recommended several important changes in the by-laws. They were ordered printed so the members might vote understandingly Thursday evening, at which time action will be taken. The report of the nomenclature committee had not yet been received.

The report of the committee on fire insurance was presented by Chairman J. G. Esler as follows:

Report of the Fire Insurance Committee of the S. A. F.

Your committee after careful consideration, recommend the following plan of fire insurance, which with slight changes to comply with certain requirements, could be used to effect an organization under the laws of either Indiana, New Jersey or Missouri. To organize under the laws of Indiana would require $1,000,000 worth of business, New Jersey about $2,000,000 worth of business, and under the laws of Missouri at least $5,



GREENHOUSES OF MR. E. BUETTNER, PARK RIDGE, ILL

000,000 worth of business. The general outlines of the plan are:

1. All insurance to be based as far as possible upon the classification previously adopted by the Society of American Florists. A signed statement of construction and condition of greenhouses to form a part of contract, and misrepresentation to create forfeiture in case of loss.

2. A one percent reserve on new business, and a three-quarters of one percent advanced assessment upon the minimum risk of the S. A. F. classification as a basis for assessments.

3. Assessments to be levied at option of officers when assessment funds fall below one percent value of risks assumed, notice thereof to be given to members before date of levy.

4. All risks upon which assessments have not been paid in 30 days from date of levy, shall become void, but members to be restored to membership if assessment is paid within 60 days from date of levy.

5. Adjusters to be appointed by the officers and a list to be filed with the secretary.

6. Notification of loss to be made to the secretary, and instructions wired to the adjuster whom he may select

7. Dwellings and outbuildings of members to be insured at a rate to be fixed by officers.

8. Five thousand dollars to be the maximum amount of risk, but after risks to be permitted when completely detached, 100 feet from all other risks.

We believe a classification, and a reserve fund, to be essentially necessary to any successful scheme of fire insurance of greenhouse property. Under the laws of New Jersey, organization can be effected without the use of premium notes. Under the laws of Indiana and Missouri premium notes would be necessary.

Your committee recommend that a temporary organization be made at once, as far as the election of a president, vice-president, secretary and treasurer is concerned. These officers could perfect detail, ascertain the amount of insurance that would be placed, and arrange for organization or purchase of a charter, and finally when a percentage of payment had been made, call a meeting of the members enrolled for permanent organization.

Your committee are confident that the success or failure of the plan presented now rests with the trade at large, and that it now remains for them to signify whether or not, they desire a Mutual Trade Fire Insurance Association, giving insurance at first cost.

After some discussion a committee consisting of Messrs. W. J. Vesey, J. G. Esler and Judge Hoitt was appointed to take the preliminary steps toward perfecting an organization as suggested in the plan.

The usual committee on awards in the various classes was appointed and Messrs. Edwin Lonsdale, M. H. Norton and W. R. Smith were appointed judges in the special new plant classes.

Tuesday Afternoon.

The carriage ride and visit to Swan Point Cemetery tendered to the ladies of the convention started from the Narragansett Hotel on Tuesday afternoon about 2:30. There were seven large barge wagons elaborately decorated with hydrangeas, asters, gladioli and smilax. To carry the party, and on account of the many husbands and sweethearts who thought it necessary to go along, so as to be sure that no harm befell their precious charges, they were all comfortably, no doubt to some delightfully, crowded. The route was through the business portion of the city, then along finely macadamized roads to the cemetery. Many fine residences were passed and the park system of one lawn merging into the other without the usual dividing fence seemed to be almost universal.

At the cemetery the party was met by Mr. Timothy McCarty, the genial and talented superintendent who gave them a hearty welcome and then preceded the coaches through the grounds of this thoroughly up to date cemetery. It is a modern place for burial of the dead and on every hand is to be seen the result of Mr. McCarty's master hand and brain in the development of one of the finest cemeteries in the country. Everywhere it seemed possible to beautify the grounds it has been done. A lake here, artistically surrounded with rock and planted on the border with appropriate trees and shrubs, there a summer house while near the middle of a green sward there crops out a large boulder looking natural and yet artificially arranged. This is repeated in several instances. A large and dangerous washed out gully has been turned into a beauty spot by the addition of large and small boulders and low growing trees suitable to keep the soil from being washed away. What was once an eyesore is now a charming ravine. A large stone wall, if it can be so called, borders the grounds on one side and is a marvel of the builder's art. It contains many stones weighing over a ton each and some of them more than five tons. The largest stones or boulders seem to be set in the top of the wall, while no cement is used, there appears to be no danger of their falling. It is vine covered with ampelopsis both quinquefolia and Veitchii, bignonias and aristolochias. This is a great feature of the landscape bank and is greatly admired by all who see it. An interesting group is composed of native shrubs and vines and is planted to look as homelike as possible.

After the tour of the cemetery the coaches were drawn up at the gate of Superintendent McCarty's lawn and the party invited in to partake of a substantial collation. The inveterable photographer now put in appearance and placed the group on record just as they stood. After three cheers for the jolly host and hostess, the party returned to the city by another route.

The committee in charge from the Providence Florists' Club were: Farquhar Macrae, N. D. Pierce, Jr, Thos. J. Johnston, M. J. Leach, and Mrs. F. Macrae and other ladies of the ladies' auxilliary committee. The afternoon was an ideal one in every respect and all returned delighted with their trip Tuesday evening.

The President's Reception.

The usual president's reception was this year an unusually brilliant affair. After those present had been entertained by some excellent orchestral music, lines were formed and all gave President Graham a personal greeting and shake of the hand. He had a kind word and friendly grasp for each and all were made to feel that they were partakers of the good fellowship that prevailed. After this ceremony was concluded the Union Veteran Quartette rendered a vocal selection, "The Grand Old Flag" in a way that stirred the hearers greatly and on recall they favored the company with a lighter selection in an equally acceptable manner. A letter from the Governor of Rhode Island, was read by the secretary, in which that official expressed in a very happy manner his regret at not being able to be present, and in which he used terms very eugolistic of the Society of American Florists. Then followed vocal solos by Mrs. Florence D. Snow, with violin obligato, which were much enjoyed, and finally the floor was cleared for dancing in which the young people at once took part, refreshments having been served in the meantime. All seemed to enjoy themselves thoroughly and to feel that their social reunions were to be encouraged.

Wednesday Morning.

The reports of judges of the trade exhibition were read and adopted. The awards will be found in another column. Prof. Halsted not being present, his essay was read by Mr. J. N. May. It was as follows:

Root Galls of Cultivated Plants.

BY PROF. BYRON D. HALSTED, EXPERIMENT STATION, NEW BRUNSWICK, N. J.

[Read before the Society of American Florists at the Providence Convention.]

Galls, that is unusual malformations of small portions of a plant, occur upon leaves, stems and roots, and may be induced by insects or other animals, fungi, etc. The time limits of this paper will not permit even the briefest outline of the various forms of galls of leaves or stems, and the subject assigned me is at once taken in hand.

Root galls are many and equally various as to their origin. A cabbage or turnip plant, for example, is making a death struggle and upon removing its roots from the ground they are found malformed beyond what the imagination would picture. The English truckers call it "finger and toes" in an attempt to describe in the name the strange combination of roots. We called it "clubroot" or "clump foot"; but by whatever name it is known the fact remains that the root system has been wonderfully malformed and instead of the ordinary fibrous roots there are a multitude of ill-shaped nodules strung together.

This galling of the turnip, cabbage and allied plants is due to a minute fungus that makes its attack upon the plant, while it is quite young and the roots are small and tender. The germs are in the soil and remain there for years feeding upon the roots of weeds or other plants belonging to the cabbage group of plants. Thus the mustards, shepherd's purse, pepper grasses and similar weedy plants all harbor the club-root fungus. This fact of the wide range of the turnip club root pest is brought out to show how plants related to the crop infested may be the means of preserving the enemy and even increasing the germs in a soil, while the field is devoted to some other crop simply because the weeds as nurse plants of the fungus are permitted to grow.

Instead of a cabbage one pulls up a vigorous bean plant. Upon its branching roots are a score or more of nearly spherical bodies half the size of small peas. These are the so-called tubercles and consist of a wall of normal bean root tissue; but within this the cell contents consist of innumerable bacteria-like cells.

The following is Tubeuf's description of these galls as translated by Smith in the large book upon "Diseases of Plants" issued during the present year. "The short red-shaped microbe forces its way into a root hair or epidermal cell, multiplies there, and is conducted to the inner cortical cells by plasma threads continuous through the cell walls. A rapid division of the inner cortical cells is set up till a tubercle is formed. * * * The bacteria multiply simultaneously and are transfered into new cells where a great change comes over most of them; they enlarge very much and become club-shaped or dichotomously branched bodies without power of division. * * The great importance of the tubercles of leguminosæ is that the plants bearing them are capable of taking up free nitrogen from the atmosphere and utilizing it."

This somewhat lengthy quotation has been made because the finding of these galls upon the roots of clover and other leguminosæ by some growers of roses and other ornamental plants had led to some discussion in the public press. The galls common to the clover roots and those of peas, beans and many other plants are not due to the same cause as those met with upon the roots of many ornamental plants and the finding of them upon the clovers growing in a certain soil should be in no way used as a reason for discarding that soil for greenhouse purposes. In like manner the galls produced in the roots of any clover or clover-like plants in a bed devoted to roses is no index whatsoever that there is danger of the roses becoming galled.

The subject of tubercles and the peculiar relation that they bear in the economy of the plant bearing them forms one of the most interesting chapters in modern vegetable nutrition. In case of the galls upon the cabbage roots they are a positive injury and sooner or later the plant loses the power of root absorption and wilts and dies; the roots in the meantime becoming rotten and foul smelling. With the tubercles of the leguminosæ there is increased vigor given to the plant that bears them and the advantage of their development is a well recognized fact which is taking practical shape in the artificial propagation of the tubercle germs and their being sown where there may be otherwise a lack of them in the soil.

In the third place let us consider the nature of the root gall of the roses. These are not due to fungi or the organisms that produce the tubercles of the leguminose plants, but result from the attack of microscopic worms that are known as nematodes. These creatures are in form like that of an ordinary eel and under the microscope are easily recognized by their almost constant wiggling, thus giving them the common name of eel-worms. The general appearance of rose roots when infested with the nematode worms is not unlike that of a lupine or a sweet clover plant. The galls of the one might easily be mistaken for those of the other until the microscope is brought to the rescue when the differences become so remarkable that the wonder is that causes so widely separated should produce results that to the naked eye are so similar.

The galls of the rose vary much in size and shape, but usually are but a small fraction of an inch in diameter and consist of enlargements of the fibres of the root system.

These nematode galls are much more abundant upon the roots than generally known and because of their being under ground they remain unnoticed until the infested plants show unmistakable signs of decline when an investigation results in the discovery of the root galls. They are much more abundant in warm climates than elsewhere and that is one reason why they are especially prevalent in the greenhouse.

In looking up the subject of a tomato blight in Mississippi a few years ago the writer was impressed with the fact that nearly every tomato plant was affected with root galls due to nematodes. In the north the freezing of the soil thoroughly and deeply during the winter tends to keep these root enemies in check, and from experience it is a fact that they are more abundant in seasons that follow mild winters.

In this there is a practical suggestion, namely the long hard freezing of a soil that is to be afterwards employed in the greenhouse for the growth of plants like roses and violets that are very liable to attack from the nematodes. These worms propagate with great rapidity where conditions favor them, and it is better to take all precautions in keeping them out of the bed at the outset than to leave the work of eradication until after they are well established in the plants.

This leads directly to a consideration of precautionary measures. In the first place the plants should be free from the worms, the most difficult end to reach, as it means a removal of the earth and a careful examination of the roots with the rejection of all plants that are infested. The eel-worms may come in with the earth and, as before stated, they infest the roots of many plants, there is difficulty in making a selection and feel at all certain of freedom from the worms. Soil that has been used for growing a previous crop should be discarded, especially if the plants lacked in vigor, due to inroads upon them made by the nematodes. Freezing, as before stated, is a cleansing process for the soil. On the other hand a high temperature is also inimical to them. The heating of the soil, either baking or steaming, is probably the more available of the two treatments and has been resorted to by some growers with cheering results. If manure should be the chief vehicle for the entrance of the worms it may be possible to either heat it, or else resort to plant food added in the form of commercial fertilizers. It is also possible that some substance may be put upon the soil that while harmless to the plants may kill the worms that are not already in the roots of the plants. Lime is such a substance, which when sprinkled over the surface will at each watering yield a lime wash that is destructive to the worms it reaches. Kainit, one of the leading commercial fertilizers, has proved effective in combatting insects that work through the soil, and it is not unlikely that this substance may prove of value in the greenhouse.

In conclusion it has been the attempt in this brief paper to call attention to three classes of root galls by citing one case of each. First those malformations of roots like the club-root of the cabbage due to a low form of mold, the germs of which enter from the soil, and when in sufficient number destroy the affected plant.

Secondly the root galls of clover and clover-like plants which are produced by bacterial germs, but instead of inducing decay promote the life of the plant in which they are lodged. Between the clover and the tubercle germ there exists so-to-say a mutual understanding, and their life processes are united for the benefit of both.

Lastly a third class of root galls is considered, namely, those most abundant upon the roots of greenhouse plants and much dreaded by florists. These are produced by microscopic worms that thriving in the tissue of the abnormally swollen roots check the activity of the plant and ultimately may cause it to sicken and die.

For the eradication of these microscopic eel-worms there are certain precautionary measures that may well be borne in mind, namely the examination of the roots of plants and the rejection of all that are galled; the cleansing of the soil in all its constituents by freezing, baking or steaming; the use of lime water while the crop is growing and possibly that of Kainit or some other commercial fertilizer, bearing in mind always that sick plants are unprofitable and good management means watchfulness from the start and always.



NEW DWARF GERANIUM MARS BEDDED OUT.

In the discussion that followed Mr. M. J. O'Brien said that while eel worms cannot usually be seen through an ordinary magnifying glass, their presence can be noted when a small piece of a root gall is squeezed between two pieces of glass and then placed under the magnifier. Mr. May stated that in examining a root gall for eel-worms he moistened a piece of the gall and squeezed out the liquid with a pair of tweezers. In this liquid the eel worms could be readily seen under the microscope. He had counted as many as thirty worms in the liquid from a piece of root gall no larger than a pin head. Mr. May knew of no way of killing eel-worms in the soil except by heating the soil to from 220° to 240°.

Mr. Benj. Hammond recommended the use of lime mixed with a small quantity of nitrate of soda. The nitrate was added merely to stimulate root action. The lime slacked slowly and when in the form of a dry powder was sifted over the bed. Each watering would carry some of the lime to the eel worms. The thanks of the society were extended to Prof. Halsted for his valuable essay. Prof. Rane was on hand and read his paper, as below.

The Florist as Scientist vs. Artisan.

BY E. W. RANE, NEW HAMPSHIRE COLLEGE.

[Read before the Society of American Florists at the Providence Convention.

By way of introduction, I wish to say that by the term florist I really mean horticulturist, using it in the broader sense, just as we call our gathering the Society of American Florists, the term including the landscape gardener, park superintendent, and not excluding, as far as I know, the vegetable or fruit grower, should he desire to join.

Most of us call ourselves florists while here; nevertheless, I dare say but few of us adhere strictly to floriculture. The great rank and file grow plants and flowers but find it to our advantage to have had more or less experience in laying out grounds, growing vegetables and fruits, propagating shrubbery, caring for parks, cemeteries, etc.

Much was said last year about changing the name of our association, many thinking we have outgrown the old name and that the term does not convey the larger and truer meaning it should. While this is true, it nevertheless appears to me that it is far better to have an association with an elastic name rather than one with a name too general. There are enough florists in this country to make this society a success, and florists as a class are such whole-souled and good-hearted people that they are always willing to expand and enlarge along parallel occupations should circumstances desire or demand it. I would venture to say that should I inquire of this association as to the best varieties of lettuce or celery on the one hand, or shrubs and trees on the other, the subject would be as ably discussed as the culture of many flowers.

During the past year I had occasion to advertise for a foreman to take charge of both greenhouse and gardens at the New Hampshire College, and found that all the applicants were men claiming to be experienced in one as well as the other. During the past month a gentleman living in London, England, having just completed a fine summer residence in our town desired to get a man suited to take charge of his place. It is needless to say that there was little trouble in filling the same. There are plenty of men who have prepared themselves for just such places. This man wanted drives laid out, a small vegetable garden, plants for his table and conservatory, lawn kept in order, etc.

Now to return to my subject, should I call a person filling the last named position, or in fact either, a florist or a horticulturist? Perhaps the latter would be more fitting, but were neither a florist they could not have filled the positions. We may consider florist, therefore, as a broad term for the present.

It is equally important that I convey to you my meaning of scientist and artisan. Perhaps I should have used the terms educated and uneducated florists; however, that does not convey the whole meaning I desire to present. It appears to me many times that the term scientist is misconstrued. A scientific florist is simply a man who has a knowledge of the elementary sciences, such as botany, which may be divided into systematic, economic and physiological; chemistry of plant growth; soil physics; geology; entomology, or the classification and study of insects and how to combat them; micology or the study of plant diseases, their remedies, etc. To some education in all these branches may seem unnecessary, but they are, nevertheless, as fundamental to the enlightened understanding and due appreciation of a florist as it is for a doctor to have a knowledge of the origin and uses of the medicines which he prescribes for his patients. Time was when there were few doctors and many so-called "quacks"; nowadays the quack is disappearing. The natural tendency, however, is towards physicians well educated, trained and skilled in their profession. The quack was a doctor in the days gone by as much as the M. D.; and the terms artisan and scientist are as applicable to these two cases as they are to the term florist to-day. We would have the quack doctors with us still were not that the study of medicine has reached a scientific level and only those able and willing to attain that high standing are recognized as worthy of practicing it.

The florist is not compelled to pass any state examinations to practice his profession, and his occupation is not directly parallel to that of the physician; nevertheless, it should be our aim to make our calling of high attainments. Although many of us are capable of growing flowers and making a financial success of it, we nevertheless are anxious that the occupation we represent be ennobled and of high standard.

Who of us would not have our sons and daughters better educated than we ourselves in the fundamentals that go to make their occupations in life the better understood and loved? It is here then I desire so point out in a general way the difference between the florist as scientist and artisan. Time was when the florist was simply an artisan or person apprenticed to his profession, required to do in a mechanical way as his employer or foreman did; no reasons or explanations were necessary. He simply imbibed the business until he became an automatic machine, never doing anything in an original way. We doubtless have many florists to-day that belong to this old school of training, and many too that are considered a prize by their employers. I think it is Peter Henderson that shows in some of his writings very plainly that in floriculture, as in other occupations, American thrift and enterprise have rapidly been changing, and that one finds that there are other ways of doing things even better, quicker and by far more profitable than the old one.

In floriculture, as elsewhere, the wide awake man who is well versed in and prepared for his life work is the successful one. It would be a simple matter for me to point out as noted examples members of this association, who are recognized as men of thought and ability, as is evidenced by their publications and writings. These are the men we feel proud of and point our would-be florists to as examples. There are plenty of us who can do routine work of floriculture, but comparatively few who can stimulate others to an appreciation of our labors. I sincerely believe that we as florists should resolve to place a higher standard of education upon our employes and insist that they become versed in the simple scientific principles covering plant growth, so that they would become more actively interested in their calling.

Education means advancement. I have students in my classes in horticulture who know nothing about floriculture or its allied subjects, nor even, perhaps, ever cared anything about the subject until it was brought before them, when many became deeply interested. Although few ever became florists, nevertheless, from their short experience in such work as in making an inventory of all the plants in the greenhouses, recording their names, propagating a number from both seeds and cuttings, learning something of their insect enemies and fungous diseases, etc.,

they gain an interest in them that is lasting. One young man taking the general agricultural course who has a year yet before graduating, naturally took to the subjects of forestry and landscape gardening. For his practical work this spring term he surveyed, plotted and prepared general drawings for our college grounds.

We need more teaching of floriculture. Floricultural schools are the things of the future, as, indeed, is already being evidenced. Courses in floriculture are already offered in our best agricultural colleges, there being in some cases both the scientifically trained teacher and a good practical florist, under whom the student receives his instruction. It was but a few years ago that horticulture was recognized as being of enough importance in our colleges to allow a man to devote all his attention to it. The professor of horticulture has invariably been professor of agriculture, botany, entomology, geology; etc., in which horticulture usually received the least attention. It is needless for me to say that this is rapidly changing.

Horticulture is a term covering science and art of pomology or fruit growing, olericulture or vegetable gardening, floriculture and landscape horticulture. A horticulturist is not a specialist as much as a florist. The one is general, while the other is specific. The requirements or preparation for either should be the same up to a certain point. No student can be made properly to understand the facts of horticulture unless he is thoroughly grounded in the elementary sciences of botany, chemistry, etc., which underlie the principles of plant growth. The sciences underlying floriculture are necessarily taught in our advanced common schools. Much is said in these days about agriculture and its allied branches being taught in our public schools. We might join such and ask that we specialize still further and treat floriculture here also. It seems to me here we make a mistake. It is well enough to decorate and embellish school rooms and grounds and insist that our school teachers have a liking for and knowledge of the vegetable kingdom, but it is another thing to teach abstract principles to those who have no idea of the simple. The primary school is the place, however, for primary instruction, and should be confined to that. What the child needs is a general education with the technical brought in as early as possible and not too early.

This is the practical age, and success seems to be measured by the financial side. Everything that contributes to money-making seems to be sought after regardless of consequences. The haste to become a full-fledged florist has undoubtedly dwarfed many a young man that might have been better prepared for his life work had he stuck to schooling longer. This is not only true of the florist but in many other professions. The utilitarian idea has caused many a lawyer, preacher, farmer, horticulturist, doctor, etc., to take the shortest cut toward passing as a representative of one or the other of these various professions, with the result of being handicapped.

A fourth rate lawyer seldom becomes first rate, a quack doctor a first-class physician, a poor preacher an orator, or in fact an uneducated florist the representative man he might be had he prepared himself the more thoroughly. There are hundreds of florists to-day who, had they the proper earlier training to enable them to understand and express themselves plainly, either orally or in writing, who would be far in advance of what they are already. I do not desire to be understood as criticising in any way our florists of to day, as no country of the world has made more rapid advancement in so short a time; nevertheless we have a future before us that promises much provided the advancement is of the right sort. It is with this future plainly in view that I throw out the thought of this short paper.

If we remain content with making a financial success only and ever live for grasping and thrusting the almighty dollar into our pockets, we forget the goal of life. Doubtless there is many an artisan who lives and appreciates his work, but how much more he might appreciate it were he better prepared to comprehend its broader significance.

Finally we can not know too much about our occupations; the more that is known the broader the horizon and the greater pleasure and profit to be had. The inspiration, fellowship, and broader knowledge gained attending meetings of this sort are in the direct line of education. Many florists remain away doubtless on account of the expense principally; others think they can not be taught anything they do not know already. I do not believe there is a single progressive florist or person interested in floriculture within reasonable distance but that would be fully repaid financially as well as educationally should he attend and get in touch with the real object of this association. The practical idea should not absorb the mind so that people lose sight of the broader fields.

To conclude, I would not be understood as advocating never to advise young men to attempt becoming florists were they unable to have had the training of a scientist. It is well known many have and others will make successes in this very way. The artisan is fully as important as the scientist, but where both can be found in one the nearer we approach the ideal florist. Let us elevate, ennoble and improve our chosen profession by improving our own opportunities as well as stimulating a worthy appreciation and better preparation for the work of future generations, thereby bringing greater credit to the name FLORIST.

There was no discussion, and a vote of thanks to the essayist was unanimously passed.

Mr. Charles Jackson Dawson then read his paper on Shrubs for the Florist, for which he also received a unanimous vote of thanks.

The selection of the place of meeting for next year brought out an unexpected display of oratory. Invitations were received from a number of cities, but the two leaders were Omaha and Detroit. The claims of Omaha were ably presented by Mr. F. W. Taylor, chief of the horticultural department of the Trans-Mississippi and International Exposition, to be held in Omaha next year. He read letters of invitation from the Nebraska State Horticultural Society, from the Governor of Nebraska, from the Iowa State Horticultural Society, from the secretary of the Trans-Mississippi Exposition, from the Commercial Club of Omaha and one signed by every florist in Omaha, Lincoln and Council Bluffs. But even all this would probably not have prevailed but for the added eloquent and urgent appeal by Prof. Geo. E. MacLean, chancellor of the Nebraska State University. He stirred the members deeply by his appeal for recognition of the country beyond the Mississippi, and that the society live up to its name "American" in the fullest sense of that broad term. Detroit was represented merely by written communications, and though all felt that Detroit was more advantageously located and that they were sure of a hearty welcome there, the pressing invitation of the Omaha people resulted in 138 votes for Omaha and 51 for Detroit, thereby selecting Omaha as the convention city for 1898. An invitation was recived to meet with the Pan-American Exposition at Niagara Falls, N. Y., in 1899.

The Shooting Contest.

The shoot, while successfully conducted was a rather tame affair, Philadelphia winning without effort. The clubs and numberous friends reached the grounds of the Narragansett club beyond Olneyville shortly after two o'clock.

A champion flag blew from the pole on the club house beneath Old Glory, and the grounds were of the best, and well arranged for bringing out the gunners' skill. There was some disappointment expressed that the entries were so small, only three clubs, Philadelphia, Buffalo and Providence, taking part. The "intellectuals" of Buffalo did not seem to feel at home, probably because of the far-away look in the eyes of their chief William as his target settled peacefully into the grass after his salute to them. They managed to get second place from the Providence men, however, and then talked bowling. The match resulted as follows: Philadelphia, 90; Buffalo, 45; Providence, 33.

The contest for individual prizes other than those on the teams was interesting and the crowd was glad to applaud the man when he happened to hit one. All shot at ten targets, four gentlemen missing the entire lot.

George McLean, of Philadelphia carried off the first prize with a score of 5, Thomas W. Cook was second with 4, and J. Merrion won third place with 3. After shooting off two ties, there were plenty of refreshments and all returned to the city in a merry mood.

TEAM SHOOT TWENTY-FIVE TERGETS.

PHILADELPHIA	Hit	Missed
John Burton	16	9
C. D. Ball	17	8
Lemuel Ball	9	16
W. K. Harris	14	11
W. Taplin	14	11
George Anderson	20	5
Total	90	60
BUFFALO.		
William Scott	7	18
Geo. Fancourt	1	24
W. Kasting	14	11
C. Hagenberger	3	22
H. H. Tucker	6	19
E. Steffens	14	11
Total	45	105
PROVIDENCE.		
Robert Johnson	8	17
Samuel Lewis	7	18
H. F. A. Lange	8	17
Peter Byrnes	2	23
J. P. Dillon	3	22
A. M. Rennie	5	20
Total	33	117

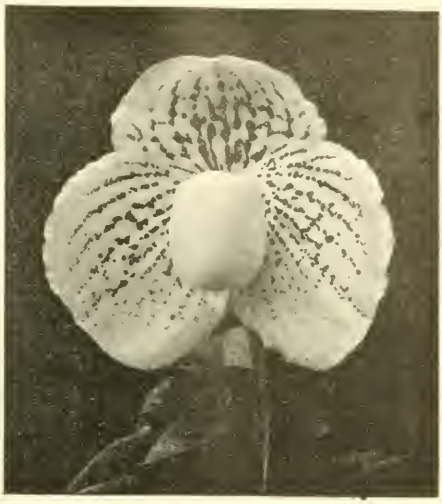
INDIVIDUAL SHOOT TEN TARGETS.

F. W. Herendeen	0
J. Merrion	3
J. M. Logan	0
Martin Edwards	3
George T. King	3
Geo. Sutherland	0
Samuel Henshaw	1
Wm. Appleton	2
F. Wildie	2
J. Manda	0
M. Rockwell	1
Wm. Krick	2
Geo. McLean	5
Wingate Bushnell	3
Thomas W. Cooke	4
J. A. McCrae	1
E. MacCarron	1

Merrion, Bushnell and Edwards shot off their tie for third place which was won by Merrion.



CYPRIPEDIUM BELLATULUM.



CYPRIPEDIUM BELLATULUM, YELLOW VARIETY.

American Carnation Society.

At the meeting of the American Carnation Society Wednesday afternoon there was an extended discussion on methods of judging, but no definite action was taken. The feeling was general that changes were needed to adequately meet existing conditions and to do exact justice to American exhibitors and the discussion will undoubtedly result in the formulation of something practical to be acted upon at the annual meeting in Chicago next February.

Chrysanthemum Society of America.

At the annual meeting of above society held in Providence Wednesday afternoon the secretary submitted his report showing the new varieties judged during the year, varieties certificated, names registered, etc. The treasurer's report showed a balance of $359.81 in the treasury. A motion was passed that the various committees be instructed not to give out any information as to awards and number of points scored until their reports shall have passed through the hands of the secretary who is charged with giving to the press such information. The secretary being absent, the members took advantage to vote that hard working officer a salary of $50 a year. The following new standing rule was adopted:

Protests against any award of the judges must be submitted in writing to the secretary before January following the date of the award protested against. The secretary shall refer the same to the executive committee, who shall take action on same as early as possible.

The proposition to issue certificates jointly with the Society of American Florists was laid over for one year. In view of the satisfactory condition of the treasury the dues were reduced from $2 to $1 a year. It was ordered that the society offer annually a silver cup to be known as the Chrysanthemum Society of America Cup, value $20, for best six chrysanthemums of 6 varieties (36 blooms), to be competed for at various cities where exhibitions are regularly held, one city each year, the awards to be made by judges to be appointed by the officers of the society, said exhibitions to be held about October 20. It was further decided that the competition for next October be held in the city of New York. The officers were re-elected as follows: E. A. Wood, president; E. G. Hill, vice-president; Elmer D. Smith, secretary; John N. May, treasurer.

Florist Hail Association.

At the annual meeting of the Florists Hail Association, the secretary and treasurer submitted their reports as appear on another page. The vacancies in the board of directors were filled by the election of J. C. Horan, Bridgeport, Conn.; Wm. F. Dreer, Philadelphia, and J. C. Vaughan, Chicago. Officers elected were J. M. Jordan, president; J. C. Vaughan, vice-president; John G. Esler, secretary; Albert M. Herr, treasurer. An amendment to the by-laws was proposed providing that the salaries of the officers be a percentage on the business transacted instead of a fixed amount. This will be acted upon next year.

Wednesday Evening.

A heavy rain storm undoubtedly kept many away from the lecture in the evening by Prof. George L. Goodale, of the Botanic Garden of Harvard University, on "Our favorite exotic plants in their homes," though those present voted it a most delightful and instructive feature of the convention.

Prof. Goodale illustrated with very beautiful stereopticon views the subject of tropical vegetation, describing with much detail the palms, orchids and other exotic plants which are the pride of our best greenhouses. The lecture was given without any technical language and passed in brief review the characters of the genera and species which have become general favorites under cultivation. He showed that the term exotic is only relative, that our common wild plants would be exotic if grown under our skies, and, further, that a good many of our wild flowers are quite as well worth cultivating and improving as some which have become established here. The fashions in plants by which certain species are for a while great favorites and then give way to others were shown by the lecturer to be based on other factors than the whims of capricious people. The gigantic bamboos and climbers of Ceylon and enormous ferns of Australia were exhibited by means of photographs on the large screen. Perhaps the phase of plant life presented by the kinship between the plants of the north and of equatorial zone, touched upon by Prof. Goodale, gave as many surprises to his audience as any part of his graphic demonstration.

Prof. Goodale took occasion to speak in high terms of the great influence exerted by the Society of American Florists on the cultivation of plants in this country, and he alluded also to the excellent influence of our best horticultural periodicals in elevating the taste of the community.

Thursday Morning.

Thursday morning the report of the nomenclature committee was presented and a number of presumed synonyms were noted, though it was stated, that no serious matters had come to the notice of the committee, no doubt due largely to the stand taken by the secretary in discouraging the duplication of names and in promptly publishing such as were noted.

There were additional reports from some of the exhibition judges. A new Rex begonia shown by Pitcher & Manda was noted as a new departure. A coleus shown by C. Hagenburg was regarded with interest. A certificate of merit was awarded to Luther Armstrong for an ever-blooming tuberose. The insecticide Nikoteen was recommended as worthy of trial.

Mr. J. J. Butler read a very brief paper on bedding plants, noting the begonia as used at Newport as an excellent bedding plant and urging all to inspect the beds there at the time of the visit to that city. He said that 11,000 plants could be seen in one garden.

Mr. May agreed with the essayist as to the progress of the begonia as a bedding

plant, and called attention to the progress of the canna and of the eroton as bedding plants.

Mr. A. H. Herrington deprecated the present meagre use of the wealth of material at our command. He thought we should have more flowers and less colored foliage, and that a majority of the flowers should appeal to the sense of smell as well as that of sight. He thought there should be an increased use of the many excellent annuals and noted some striking and beautiful effects that had been produced by zinnias, balsams, petunias and portulacas.

In the absence of M. H. Walsh, his paper on the rose was was read by Rob't Craig as follows:

A Year's Progress in Roses.

BY M. H. WALSH.

[*Read before Society American Florists at the Providence Convention.*]

MR. PRESIDENT AND MEMBERS OF THE SOCIETY, LADIES AND GENTLEMEN: I thank you for the honor conferred by inviting me to address you on the subject of "A Year's Progress in Roses." Since the last essay on the rose by Mr. Isaac Kenneday of Philadelphia, which was read at Pittsburg, Pa., new and valuable additions have been made to the rose family both for indoor forcing and hardy garden varieties.

In the hybrid teas we are getting a new class or race of practically ever-blooming roses, a great boon to all lovers of the queen of flowers. We have also added to the list of hybrid perpetuals which I shall refer to later.

In 1895 a new variety of the hardy hybrid tea was disseminated by Messrs. Pernet-Doucher of France, named the Souvenir du President Carnot. It is a seedling from Lady Mary Fitzwilliam, and that is all we know about it so far as parentage is concerned. Last fall it was exhibited at several exhibitions and received many certificates of merit, silver medals, etc. It created a great sensation when sent out as being a grand forcing rose, a good grower and superb flower. It produces a long bud, large and full, color rosy flesh, shaded white at edges of petals. It certainly is a valuable addition to our hardy ever-blooming varieties, and may prove an excellent variety for forcing, by further trial, although some are in doubt.

We have also Maman Cochet, one of the best and hardiest in its class. Color, carmine, mingled with salmon-yellow, large and full, superb; a grand garden rose. Another valuable variety is Madame Abele Chatnay, sent out by Pernet Ducher, which blooms constantly, bud fine, opening spirally; flowers full; color, carmine-rose shaded with salmon. In addition to the above named varieties, we have Caroline Testout, which has practically displaced La France; Kaiserin Augusta Victoria, an excellent variety for forcing, or as a garden rose. A beautiful primrose color; raised by Peter Lambert of Germany.

Now, Mr. President, I come to the most pleasant part of this subject, A Year's Progress in Roses. Real progress! By that I mean new and improved varieties of American origin, of which Mr. John Cook, of Baltimore, Md., has added one to the above list, Mrs. Robert Garrett, which has received flattering notice in the Baltimore notes in the AMERICAN FLORIST. It is a most lovely flower; soft pink color, flowers large, foliage fine. It is said to be a grand forcing rose and bids fair to lead all the pink varieties. From its parentage, Sombrieul and Caroline Testout, it should be an acquisition to the hardy teas. Mr. Cook is the originator of Souvenir de Wooton, Marion Dingee, and other good roses. Extract from Baltimore letter in AMERICAN FLORIST, page 803, issue March 27, 1897.

"The exhibit of Mr. John Cook was a departure from the rest as it was a vase of roses, but such roses! They towered above the carnations on strong stems clothed with heavy foliage, and were as large as American Beauties, but of a beautiful clear pink, almost light enough to be called a shell pink. The name is Mrs. Robert Garrett and it will get a first-class certificate, the chairman of the committee saying that it is conceded to be the finest rose ever raised in this country. It is a cross between Sombrieul and Mme. C. Testout and forms a valuable addition to the class of large roses, which is represented almost entirely by American Beauty and which will probably supplant the small flowered ones, as has happened in the chrysanthemum and is happening in the carnation."

There is also a new white hybrid tea, Lillian Nordica, a seedling from that grand rose Margaret Dickson by Madame Hoste. In color it is pure white, long buds, large flower of good substance, on long stiff stems, forces well, has dark rich foliage and is very fragrant. At the Boston Rose Show last June, it received the society's silver medal, and in June, 1896, a first-class certificate of merit. It is considered a valuable addition to the hardy ever-blooming varieties of American origin.

The above named varieties I consider improvements on existing varieties, and in the line of progression, but we must not be content to rest here, we must strive to add to the above list. The improvements to be effected in the above list are: To obtain new reds, maroons and creams, possessing vigor, freedom of blood and hardiness. Then this race of roses will be universally admired as garden roses, growing in ordinary soils. We have a large and unlimited field in which to experiment and improve. The art of hybridization is simple; so easy and responsive, we should all make an effort to improve and continue in the good work, for there is no limit to the improvements in the several classes or families of roses.

In the hybrid perpetual class a new rose has been sent out last spring by the well-known firm of Messrs. Peter Henderson & Company, New York. It is named the Jubilee. It was awarded the Massachusetts Horticultural Society's gold medal in 1895, the highest award in the gift of the society, and I am informed the first gold medal ever awarded a rose of American origin in this country. It was awarded a first-class certificate in 1893. It is from Prince Camille de Rohan by Louis van Houtte; it is one of the most vigorous growers on its own roots. It had been exhibited three years in succession at the Massachusetts Horticultural Society when the committee decided to inspect it growing in the ground, which they did. The following is a copy of their award:

"Dear Sir—Since the visit of the Committee on Flowers of the Massachusetts Horticultural Society to Wood's Holl, and inspection of your seedling rose Jubilee, they have discussed the merits of the variety and are unanimous in pronouncing it the finest American raised rose that is known to them, and the equal of any European rose of its class. Its magnificent color, united with a beautiful form, large size, and grand foliage, and vigorous habit, they believe makes it of great value and worthy of the highest award given by the society. We therefore award you the Society's Gold Medal.

(Signed) A. H. FEWKES, Chairman."

Mr. F. Schuyler Matthews, the artist, and leading expert on colors in this country says, "I have never seen a rose of such intense and dark color. The rose contains the darkest color combined with pure color of which nature is capable.

(Signed) F. SCHUYLER MATTHEWS."

In hybrid perpetual roses, Mrs. R. G. Sharon Crawford is the best of all the light colored varieties. Clio is a grand flower; Helen Keller also. Mavourneen, one of Messrs. Alex Dickson & Sons' productions of 1895, is valuable as a climber or a cut-back. Color is a delicate silvery flesh, white shaded rose at base of petals, which are of excellent shape and substance. Marchioness of Devonshire is a grand rose, of a beautiful satin pink color. There is also in commerce in this country a hybrid tea, Clara Watson, raised by Mr. Prince in England in 1894, described as a salmon tinted pink, and a good rose. Of the hybrid polyanthas Marie Faive is by far the best of all, blooming freely through the season, and is valuable for florists' work, producing good clusters of good-sized pure white flowers.

I am pleased to note improvements in hybridizing in the Wichuraiana class. The credit is due to Mr. Manda, of New Jersey, who has raised some valuable additions to this class. It is gratifying to note progress in the past year, and if we should continue to progress in the future, we must interest ourselves in the raising of roses suitable for our climate in the garden, as well as varieties for the florist, in the rose house. It is sometimes said our life is too short to wait to raise roses, but it proves long enough to wait to see others raise them. The florists, nurserymen and all interested in the sale or growing of roses, should take a deeper interest in the rose; it is for their benefit to do so. By entering into the matter with a proper spirit, we could produce our own roses to supply the demand here, and not depend on other countries to supply us.

In conclusion, I hope favorable action may be taken by the Rose Society to create and cultivate a greater interest in the cultivation of the rose by the masses of the people of this great country.

In the discussion that followed Mr. Craig called attention to the polyantha rose Mosella which he considered of exceptional merit. It opens its flowers freely, never producing a congested bud, and in this respect was superior to Soupert. He had found it perfectly hardy at Philadelphia. He believed that Clara Watson had a future as a forcing rose, and that it possessed very great merit.

Election of officers was then taken up and the ballot for president resumed in 126 votes for W. F. Gude, Washington and 65 for E. M. Wood, Natick, Mass. On motion of Mr. Wood the election of Mr. Gude was made unanimous. The ballot for vice-president resulted in 180 votes for A. Donaghue, Omaha, Neb., and 27 for Thos. J. Grey, Boston. On motion of Mr. Grey, Mr. Donaghue's election was made unanimous.

Secretary W. J. Stewart and Treasurer H. B. Beatty were re-elected by unanimous votes.

At the conclusion of the election, there were loud calls for Mr. Gude and he responded in a brief speech of acceptance, that was received with rounds of applause. He felt his election to be the greatest honor that had ever come to

him, and also the greatest surprise. He thanked all for their confidence in him and said he would spare no effort to keep the society in the front line of progress.

The question box was opened and a paper by Mr. C. L. Allen was read in response to the question "Where shall our future supply of bulbs come from." He expressed the belief that nearly all the bulbs now imported can be profitably produced in this country and that the only reason they are not now grown here was that we had been told so often, our soil and climate were unsuitable that we had come to believe it. He believed we had every soil and every climate in our great country necessary to produce any of the imported bulbs and that it was simply a question of intelligent effort and trial.

Mr John Reek spoke of the cheap labor in Holland and stated that last year tulips were sold there as cheaply as $1 a a bushel.

Prof. Rane thought that Americans should study concentration of area and produce more from a given space, that this was economy in other directions, than space alone.

In response to the question as to best storage house for bulbs, Mr. William Scott thought that the proper storage house for bulbs was out of doors. He said his views had been frequently printed and briefly reviewed, and the method described by him in his Seasonable Hints in the AMERICAN FLORIST.

Mr. George King read a paper on dethorning roses in response to a question on that subject. He noted the fact that a few varieties were already thornless and he thought that by experiment a method could be found by which roses could be produced with thornless stems and that this would be a decided advantage in many ways.

Thursday Evening.

The report of the Fire Insurance committee was presented, showing progress made toward the organization of a mutual fire insurance company. Mr. William Nicholson then read his paper on the carnation as follows:

New Carnations from the Commercial Standpoint.

BY WM. NICHOLSON.

[Read before the Society of American Florists at the Providence Convention.]

MR. PRESIDENT AND GENTLEMEN OF THE SOCIETY OF AMERICAN FLORISTS:—I have been asked to give a discussion upon the merits of new carnations as seen from a commercial standpoint. This, I can assure you, is a very difficult task on account of the many different standards by which a person may be governed. As soon as you put your pen to paper you are bound to step upon some one's toes, thereby raising a hornet's nest about your head. But indeed you were only giving your own views and experience, in so far as it concerns your own market.

I think you will all allow that that which will sell in one market will not take at all in another market. For instance, Della Fox, which has won as many laurels as any new carnation sent out, is a complete failure in the Boston market as a commercial carnation. By this you will all see that the discussion of new varieties is a very serious task. I will try to give you a few notes upon the manner in which I have seen them growing, taking the Boston market for my standard. What is a good commercial carnation? I think the best answer to this question will be to give you a synopsis of what we saw upon our pilgrimage to the carnation convention at Cincinnati last February.

During the convention a great many important subjects were discussed. You will find a particular account in the records of the American Carnation Society, of which I hope you all have copies, but if you have not got one you may receive a copy at once by becoming a member of the society. These records contain much valuable information to all those who are interested in carnation culture. I think you will all agree in placing this divine flower in the front rank of flowers for commercial purposes.

But to return to my story; there were three weary pilgrims travelling from afar and being desirous of further light in regard to the divine flower, thought that they would travel west instead of east this time, in pursuit of that knowledge. After embarking at Boston their first stop was at Niagara Falls, where they viewed with delight the grand work of the Supreme Architect of the universe and enjoyed a delightful sleigh ride on bare ground. Their next stop was at Buffalo, where all members of the "craft" are expected to call and take their first "libation" with that prince of good fellows, "Great Scott," whom you all know so well, and have heard so much from in his interesting notes in the AMERICAN FLORIST. On embarking again on their rough and rugged road to Cleveland, they met one Long by name, if short in stature, whose company they all enjoyed the remainder of the journey to Cleveland. Here again they had another addition in the person of the President of the Society of American Florists, Mr. Adam Graham, of whom, I think, all present here will unite with me in saying, the more we see of him the more we like him; with him were Mr. Gasser and other members of the "craft," all looking for more light upon the subject of carnation cultivation.

On arriving at Cincinnati we were met at the depot by that true and courteous "Sir Knight" Gillett, who extended to us a very hearty welcome. We were conveyed to the Gibson House to participate in the deliberations of the American Carnation Society and to enjoy the hospitality of the Cincinnati Florists' Club. The duties were many and various. The progress shown in the cultivation of carnations was marvelous.

Of course a visit to Mr. Witterstaetter's place was planned. The expedition was under the leadership of that fun-loving and careful guide, Ernst Asmus. We started out for Mr. Witterstaetter's place, the guide being careful to choose the pleasantest roads for the pleasure and comfort of his fellow-craftsmen. After arriving at our destination, upon looking around, we saw Evelina growing in all her glory. If she does as well in other localities as at home, for a white carnation, she will be a grand acquisition to the market. We also saw many seedlings of great promise, which, if they stand the test of trial, will be heard from later on.

After the close of the business meeting of the Carnation Society we started for Richmond, Ind., to see Flora Hill. This time the expedition was under the guidance of one whom you all know, as well as one who stands in the front rank as a grower and disseminator of new carnations, E. G. Hill. His hospitality knows no bounds, and it is a treat for any florist to visit his place, to see so many novelties and so many promising seedlings, all of which were in such splendid condition. We all felt well repaid for our journey.

I think that if more of our brother florists, instead of staying always at home and grumbling at what the society is trying to do for the best interests of all concerned, would make a tour around and see what other people are doing they would, I am sure, find it time and money well spent.

Our next destination was Lafayette, to see F. Dorner & Sons' place. For a man to say it is a treat to visit this place is but drawing it very mildly. The hospitality of the "Hoosiers" is boundless. It was indeed a treat to see the beautiful seedlings which we found growing there in such splendid condition. As growers and disseminators of new carnations you will all agree with me in placing him at the head of the list. I must say that I think he has some very fine seedlings in store for us next year, particularly in white, yellow, crimson and scarlet. His house of seedling carnations is a splendid sight. The progress that has been made in raising seedlings is indeed wonderful. From what we saw of his seedling Mrs. G. M. Bradt, which they sent out this spring, I should say that it is one of the future fancy carnations. We all came away with a very favorable impression of it as a commercial carnation.

On our return trip we called to see genial Charley Allen, who, I can assure you, it is always a pleasure to meet. Here one is always sure to find things in apple-pie order, and carnations growing in all their glory. This is particularly true of Scott. If you ask him how he does it he winks his eye and points to a small 4x6 house which stands a little way from his greenhouse. Charley is a firm believer in night soil, and I must admit that I have been quite converted to the idea myself. He has also something up his sleeve in the shape of a new white carnation which will speak for itself later on.

Under his leadership we visited the Cottage Gardens, one of the model establishments growing carnations. To meet and have a chat with Mr. C. W. Ward is well worth the time and a long journey, for he always has some treasure in store for you. Here we found a model system of packing and shipping plants and cut flowers. He also has some promising new seedlings which we shall hear of later on if they stand the test. Mr. Ward is a firm believer in giving them a three years' trial before putting them on the market. All of those present, if they have grown a few seedlings, know how few of them stand the third year's trial.

Of course a visit to New York would be incomplete without a visit paid to the Dailledouze Bros. Charley Allen calls them "the dear boys," but I would like to add something more and call them "the smart boys." From them one is always sure of a hearty welcome. Here one is sure to find the up-to-date methods for growing fancy carnations, 'mums and mignonette. It is always a pleasure to me to walk through their carnation houses, where everything is so neat and trim, and to enjoy a chat with the boys about the novelties, for, like the rest of us, they have to give most of them a trial. They have some very promising seedlings for the next year's trial, particularly one after the style of Daybreak, but a much more beautiful flower, which is saying a great deal.

In regard to what have seen in the line of seedlings in and around Boston, there are quite a number of good ones to be tried this year. Taking white seedlings into consideration, Peter Fisher's Freedom and Mr. Cook's Nivea are both very

promising, but one can not say how they will stand commercially until they have been tested. Mr. Fisher's Edith Foster has done very well in some places, but not so well in other places.

I believe that you must give them all a trial, so that you may feel better able to determine which of them will prosper with you and be profitable to grow for market. There is a wide difference between a commercial flower and an exhibition flower. In fact they form two distinct classes. I consider the Boston cut flower market one of the very best places to test the commercial value of a new carnation as a seller.

The exhibition held in Boston last spring was the means of bringing together a large number of people interested in the cultivation of carnations. There was a fine display of seedlings exhibited to compete for the silver cup, which was given by Joseph Breck & Sons, of Boston.

For next spring there is a promise of another prize by J. F. Galvin, of Boston. This, I believe, will bring together quite a large number of competitors. On looking around you will see many seedling growers on all sides. The seedling 9.9 9 of Peter Fisher, of Ellis, Mass., is a magnificent flower. If it does as well this year as last year I have no doubt that it will be one of the ideal future carnations.

I consider Eldorado one of the very best commercial carnations which has been sent out the last few years. Although it has never received a certificate I still think it ought to have one. There has never been a better selling or keeping carnation in the Boston market. To this carnation there is but one objection, that it is very liable to take rust, which objection can be overcome by a free use of fresh air slacked lime.

In closing my few remarks I will say that I have given a synopsis of what I have seen this last year in the way of new carnations. I can only repeat my former statement that a man must first test the novelties himself to find out if they suit his soil and market. What is considered a good seller in one market falls very far short of the mark in another. But you will always find this true, that the man who has No. 1 fancy carnations will never find much trouble in disposing of them at good prices.

In the absence of Mr. T. J. Johnston, his paper on the Retail Business was read by Mr. Henry Siebrecht. He told briefly of the progress made in developing the leading flowers to the high standard now demanded by retail buyers and the improved methods of conducting stores.

Mr. D. B. Long spoke on the advisability of organizing state societies in connection with the national organizations. He suggested as preferable the division of the country into three sections, east, west and south, a meeting of the national society to be held in one section each year, thus insuring a meeting in each section every third year.

Mr. R. Vincent spoke on the same subject and emphasized the axiom that in union there is strength.

The amendments to the constitution and by-laws recommended by the executive committee were with slight changes adopted as follows:

Add to article 1. "And ornamental horticulturists."

Substitute for section 3, Treasurer. "The treasurer shall have charge of the funds of the society and shall pay all bills when same have been approved by the secretary. He shall make all transfers and investments under the direction of the executive committee, and shall keep correct record of receipts and disbursements, rendering an account of the same annually to the society, the same having been duly audited at the preceding meeting of the executive committee. He shall give bonds in such sum as the executive committee may from time to time deem sufficient, and shall receive for his service a salary to be fixed by the executive committee. Should a vacancy occur in the office of treasurer the president shall appoint a treasurer pro tempore."

Substitute for section 4. Fees and assessments. "The payment of $30 shall secure a life membership in the S. A. F. and exempt from all future assessments. Any eligible person may become a member of the Society of American Florists for the current year by the payment of $5, and such membership may be continued by the payment of an assessment of $3 in advance each consecutive year. Any annual member in good standing may become a life member by the payment of $25."

Substitute for section 6. State vice-president. "It shall be the duty of each state vice-president to make an annual report to the society of progress any interesting horticultural events that have occurred in his state during the preceding year, to assist the officers in the discharge of their duties, and in general to promote as best he can the welfare of the national society. He shall be the accredited representative of the S. A. F. at all meetings and exhibitions of importance in his state."

Substitute for section 9. Order of business. "The transaction of business shall be in the following order: 1. Calling to order. 2. President's address. 3. Report of secretary. 4. Report of treasurer. 5. Report of state vice-presidents. 6. Report of standing committees. 7. Report of special committees. 8. Unfinished business. 9. New business. 10. Adjournment.

Add new section. Reserve fund. "Money accruing from life membership payments shall form a reserve fund, the interest of which may be appropriated annually for general or specific purposes.

The proposition to add the words "Ornamental horticulturists" to the name of the society brought out a vigorous discussion, but was finally adopted.

In response to an inquiry as to the best remedy for black spot on roses, Mr. May recommended plenty of ventilation and the avoidance of a close stagnant atmosphere as preventives. He knew of no remedy.

Novelties, their place in the trade was answered in a communication from Mr. Grove P. Rawson. He said the introduction of novelties was generally a matter of dollars and cents, but there was often a lack of sense in offering novelties that have no merit but novelty. There was certainly a place for good novelties and through them the trade progressed.

A unanimous vote of thanks was passed to President Graham and the other officers for their excellent work during the past year. In the final resolutions, the thanks of society were extended to the florists and citizens of Providence, to the mayor, to Mr. Timothy McCarthy, to Superintendent Chappell, to the Providence Athletic Club, to Governor Dyer, to the superintendent of Roger Williams park and to the press of Providence. The convention then adjourned to meet in Omaha next year.

The Trade Exhibition.

The display of florists' supplies, trade implements, etc., may not be the largest, in the history of the Society, but without a doubt the exhibit of decorative plants was never equalled, all the leading firms being well represented by large displays of palms, dracænas, crotons, etc. in fact a full line of useful plants, and never before have the plants shown been better grown or of the sizes more useful to the general trade. In a two hours survey of the exhibition we noted the following and trust that few if any exhibits escaped our notice.

Mr. C. W. Ward, Queens, N. Y, staged a large variety of well grown geraniums in 6 and 7-inch pots. The most striking of the many varieties were M. Bruants, a fine two-colored flower of the Souvenir De Mirande type; Gertrude Pierson, pink; Snowdrops, white; Mme. Jantine, peach blossom pink; Mme. De Larux, pink; H. Dauthenay, red; Countess D' Harcourt, white; Alfonse Ricard, scarlet, (very fine); Acteon, vermillion; Marvel, deep scarlet.

Henry A. Dreer, Philadelphia, occupied one of the center tables and his display of palms of all sizes, ferns and other decorative plants was certainly grand. He also had in a tank in the convention hall a beautiful display of aquatics, including nymphæas of rare beauty and the well known Egyptian lotus. At the head of the stair was also a pair of extraordinary kentias, belonging to Mr. Dreer.

Thomas W. Weatherd's Son, New York, exhibited some handsome little models of their various heaters.

L. B. Brague, Hinsdale, Mass., display of evergreens.

H. Bayersdorfer & Co., Philadelphia, occupied one entire table with their varied collection of fancy florists' supplies. There were baskets to suit all tastes and purses, wreaths, wheat sheaves, flower stands, pot covers, in fact everything and put up in fine shape.

John C. Moninger Co., Chicago, exhibited a model greenhouse of cypress material with ventilator.

Hitchings & Co., New York, had on display their new tubular boiler which has the advantage of being taken in small, easily handled sections and should be for what it is designed, a dandy.

N. F. McCarthy & Co., Boston, had a corner to themselves in which were displayed every requisite a florist needs, including the "Boston Florist Letter."

J. Horan & Son, Bridgeport, Conn., had samples of their Perfect Carnation Support demonstrated on some "real live" carnations.

Emil Steffens, New York, was there with his fine assortment of wire designs including some novelties.

Carl Hagenburger, Mentor, Ohio, had but one plant in the show. It was a coleus of rare beauty and finest thing the writer has seen for many a day. The raiser and the writer, then and there, over a glass of ginger ale, christened it "Klondike,"

W. L. Ward, Salem, Mass, exhibited cocoanut fibre in all its stages from the covering of the nut to the finest powdered article.

L. H. Foster, Dorchester, Mass., made a fine display of the nephrolepis now so well known as Bostoniensis. They were fine plants.

H. Littlefield, Worchester, Mass., showed a small collection of palms and ferns, rubber hose, sprayers, high grade bone-meal etc.

Robert Craig, Philadelphia, made a grand display of decorative plants, palms of all sizes and variety, ferns, notably Nephrolepis davallioides furcans and N. D. multiceps, Pandanus utilis and Veitchii. There was nothing more admired or more

strikingly beautiful than Mr. Craig's wonderful display of crotons and what may be surprising a dozen of these magnificent plants were growing in pure Jadoo and looking equally as fine as those grown in ordinary soil.

C. D. Ball, Holmesburg, Pa., had a fine collection of the commercial line of palms, araucarias and cycas. Noticeable in the perfectly grown collection were some little gems of Livistona rotundifolia.

Pitcher and Manda, Short Hills, N. J., had a large collection of palms of all sizes, ferns, pandanus, and some finely grown dracænas. Among this collection all of which was fine, was a novelty in the Begonia Rex line, a finely spotted novelty named "Providence."

American Jadoo Co., Philapelphia, had a very tastefully arranged display of their specialty, also Jadoo in liquid form and in every form of package for shipping their growth promoter.

C. H. Joosten, New York, made a good display of Dutch and other bulbs, insecticides, and some very strong American grown roses on their own roots.

F. R. Pierson Co., Tarrytown, N. Y., made a fine display of bulbs, both Holland and Bermuda, ferns, palms, araucarias and other decorative plants. In this collection was a fine plant of Heliconia illustrus rubicaulis.

The Storrs & Harrison Co., Painesville, Ohio; had a few bundles of hardy roses, remarkably strong.

Joseph Heacock, Wyncote, Pa., staged a moderate sized collection of kentia and areca palms, all in fine form.

H. Thaden, Atlanta, Ga., exhibited a carnation support. A sample should be seen as it is in the writer's opinion a good thing.

Benj. Chase, Derry, N. H., had an exhibit of his plant stakes and labels.

J. Arnot Penman, New York, had a handsome display of the several publications with which his name is identified, Nicholson's Dictionary of Gardening being of course most conspicious.

D. B. Long, Buffalo, was there with samples of his usetul floral albums and plants of his Risley Flats smilax.

The Crowl Fern Co., Millington, Mass. made a neat exhibit of laurel, ground pine and mosses; they looked cool and refreshing.

The Scabcura Dip Co., Chicago, showed their nickoteen preparations in many forms.

A. Herrmann, New York, made his usual fine display of metal wreaths (home made), cycas leaves and many other florist requisites.

W. H. Ernest, Washington, D. C., made a small exhibit of standard flower pots, orchid pots and fern pans.

Codeley & Hays, New York, exhibited samples of their useful indurated fibre flower jars.

Siebrecht & Son, New Rochelle, N. Y., had a mammoth collection of most everything in the decorative plant line. There were rubbers, palms, ferns, pandanus, araucarias, sweet bays and as Wr. J. Austin Shaw so poetically says, "What aint there in our lot?" It was a fine collection.

The Herendeen Mfg. Co., Geneva, N. Y., had on exhibition one of their 8½ boilers adapted for either steam or hot water.

A. H. Hews & Co., North Cambridge, Mass., had a large display of their well known earthenware goods, standard flower pots, orchid pots and pans, some immense lawn and garden pots and vases of very elaborate design, also a number of beautiful fanciful jardinieres.

The Lockland Lumber Co., Lockland, Ohio, represented by Mr. Giesy, had samples of their cypress bars, but really their principal display is Mr. Giesy himself, whose light avoirdupois is more than compensated by phenomenal "get there."

E. Hippard, Youngstown, Ohio, showed how his standard ventilators work.

Joseph Breck & Son, Boston, Mass., had a display of bulbs, seeds, insecticides, fertilizers, and many sundries useful to the florist.

Wm. A. Bock, North Cambridge, Mass., showed a small collection of ferns and palms.

The Quaker City Machine Co., Richmond, Ind., had a handsome demonstration of their Challenge Ventilator.

Thomas Grey & Co., Boston, exhibited lawn mowers of several designs and other horticultural implements.

The Plenty Horticultural Works, New York, erected an 8 foot section of an equal span, iron frame, commercial house with upright glass on sides, without plate or anything to abstruct light. There seems little room for improvement in this modern house; also the Howatt hot water boiler.

Clark & Sawyer Co., Worcester, Mass., exhibited a florist's refrigerator which they call "The Alaska"; it makes one chilly to look at it.

J. C. Conroy, Providence, showed his hot water heater "The Winchester."

John A. Scollay, Brooklyn, had on hand one of their well known steam boilers adapted for greenhouse work.

W. A. Manda, South Orange, N. J., showed a useful collection of commercial sized palms and dracænas, also a very fine canna of an orange scarlet shade, named Robert Christie.

Clucas & Boddington, New York, displayed a large lot of Lilium Harrisii which was of the highest grade.

Lemuel Ball, Wissinoming, Pa., displayed collection of moderate sized palms, clean and good.

E. A. Ormsby, Melrose, Mass., demonstrated the effectiveness of his apparatus, by a long run of ventilators which seemed to work perfectly.

Last but not least was a grand pyramid six feet high of Farleyense ferns in the convention hall. These were from Pitcher & Manda, Short Hills, N. J.

The awards at the trade exhibition were as follows:

Class A—Plants. Certificates of merit to Robert Craig for fine crotons; to Siebrecht & Son for palms, ferns and decorative plants. Honorable mention to Pitcher & Manda for decorative plants; same, certificate of merit for pyramid of Farleyense ferns; honorable mention to W. A. Manda for miscellaneous plants and orchids; same, bronze medal for fancy caladiums; honorable mention to F. R. Pierson Co. for decorative plants; same, certificate of merit for extra fine nephrolepis ferns; certificate of merit to H. A. Dreer for decorative plants; same, bronze medal for aquatics; bronze medal to Sam'l W. Lewis for conifers; silver medal to Oaks Ames for aquatics; to Swan Point Cemetery for fine conifers in pots; to same for American grown rhododendrons and azaleas; bronze medal to Alex. McLellan for group containing Lomaria blechnoides and Anthurium Veitchii; certificate of merit to Cottage Gardens (C. W. Ward) for Zonal geraniums in bloom; Following were highly commended: Charles D. Ball, decorative plants; D. B. Long, Risley Flats smilax; L. N. Foster, Boston fern; H. F. Littlefield, decorative plants; Lemuel Ball, decorative plants; C. H. Joosten, roses on their own roots; Storrs & Harrison Co., southern grown hybrid perpetual roses; Jos. Heacock, small collection of palms; Robert Craig, collection of palms.

Class B—Cut blooms: Certificate of merit to H. A. Dreer for collection of double petunias; honorable mention to H. A. Dreer for twenty-five varieties of cannas.

Class C—Heating apparatus: Certificate of merit to Hitchings & Co. for hot water boiler; honorable mention to Herendeen Mfg. Co. for steam boiler; highly commended, Smith & Thayer Co., boilers; highly commended, Plenty Horticultural Works, hot water boiler.

Class D: Honorable mention to Lockland Lumber Co. for cypress sash bars; to Plenty Horticultural Works for section of greenhouse; to Joseph Breck & Sons for general greenhouse supplies; to A. H. Hews & Co. for standard pots; to J. G. & A. Esler for hose; highly commended, A. T. Stearns Lumber Co. for sash bars, etc. The exhibit of the C. Moninger Co. unfortunately arrived too late to be judged.

Class E: Certificates of merit to H. Bayersdorfer & Co. for florists' supplies; to A. H. Hews & Co. for fancy earthenware; honorable mention to N. F. McCarthy & Co. for florists' supplies; highly commended, W. C. Krick for letters and inscriptions.

Class F: Certificates of merit to F. R. Pierson Co. for tulips, hyacinths, fuchsias, callas, narcissus, Bermuda lilies, and oxalis; to Clucas & Boddington for Harrisii and longiflorum lilies; honorable mention to Walter A. Potter & Co. for Harrisii, narcissus, callas, oxalis, Roman hyacinths; highly commended, C. H. Joosten, for Bermuda lilies, paper white narcissus, Roman hyacinths, Japanese lilies and freesias.

Class G: Certificates of merit to Thos. W. Weathered's Son for model boilers with improvements in dome and shaking grate; to Clark, Lawyer & Co. for refrigerator; to Thomas J. Grey & Co. for florists' requisites; to Cordeley & Hayes for papier mache jars; to J. A. Penman for florists' literature; honorable mention to E. J. VanReyper for glazier points; to C. H. Joosten for fostite; to American Jadoo Co. for jadoo fibre for growing plants; to Skabcura Dip Co. for nikoteen insecticide; to C. W. Werner for reed flower vases; to W. S. Ward for cocoanut fibre; to Thaddeus W. Lawrence for wire support; to Crowe Fern Co. for florists' ferns; to A. Herrmann for metal designs and cycas leaves; to H. F. Littlefield for hose and florists' requisites. The following were highly commended: E. Hippard, ventilating shafts; Jos. Breck & Sons, florists' requisites; W. H. Ernest, flower pots; L. B. Brague, evergreens, ferns, etc.; D. B. Long, floral photographs; Benjamin Chase, labels; James Horan, carnation support.

The Bowling Tournament.

This was rolled on the alleys of the Providence Athletic Club Thursday afternoon, the first teams starting exactly at 3 p. m. and from that time until 12 p. m. the air was full of the shouts of the strike and spare makers, and the din of falling pins. There were four alleys, Buffalo, Providence, Fall River and Pittsburg were the first contestants. The other teams were New York, Flatbush, Cleveland, Boston and Philadelphia. It was decided that any team not making six

hundred in their first game was to drop out.

At the end of the first contest Buffalo and Providence failed, but on account of sickness of two of their men were allowed to continue. Buffalo dropped out, however, at the end of their second game. New York, Cleveland, Flatbush and Philadelphia then bowled, after which Cleveland dropped out. The alleys were fine, the space about them roomy, but it was uncomfortably crowded by the friends of the players desiring to see the match. There was rooting ad libitum, loud, long, explosive, of every conceivable kind. The Boston delegation had hopes and great lung power and did manage to get second place from Pittsburg, McRory in the last game putting up 192, the highest individual single score of the match. The best average for three games was won by John Habermehl, of Philadelphia.

The Evans Challenge Cup was won by the Philadelphia club with a score of 2,501, Boston winning second prize with 2,384, and Pittsburg third prize with 2,331. There were refreshments for all and Mr. Rennie, of the committee in charge, was untiring in his efforts to have everything pass off pleasantly. It was one of the best affairs of the kind ever held in connection with the meeting of the convention.

The score was as follows:

PHILADELPHIA.	1st game	2d	3d	total
G. Anderson	131	148	123	402
R. Kift	169	118	164	451
J. Habermehl	145	173	135	453
J. Walker	107	161	152	420
C. Longivatti	130	188	114	432
D. Rust	132	95	116	343
Totals	814	883	804	2501
BOSTON.				
W. Elliott	144	121	141	406
D. McRory	110	108	162	380
L. Foster	130	116	101	347
Driscoll	134	158	101	393
G. W. Patton	114	164	140	418
G. Sutherland	130	118	192	440
Totals	762	785	837	2384
PITTSBURG.				
J. Ludwig	155	128	146	429
H. Kroder	140	96	107	343
E. Ludwig	110	127	147	384
E. C. Reineman	115	122	152	389
W. Loew	188	123	87	398
W. Lauch	137	121	130	388
Totals	845	717	769	2331
FLATBUSH.				
P. Riley	115	92	153	360
H. Daffledouze	113	100	106	319
L. Schmutz	114	120	121	391
G. Knickman	87	103	147	337
G. Heidmuller	73	117	120	310
E. Daffledouze	172	144	133	449
Totals	674	682	780	2136
NEW YORK.				
J. A. Manda	120	135	125	380
Theo. Roehrs	143	117	125	385
E. Steffens	153	90	62	305
W. A. Manda	116	90	77	283
P. O'Mara	140	87	135	362
E. Sealy	136	110	156	402
Totals	808	629	680	2117
FALL RIVER.				
C. Warburton	136	106	118	360
W. Stafford	113	97	99	309
J. Lannigan	120	125	110	355
J. Slinn	142	111	108	361
W. Martin	96	142	97	305
F. Levque	81	64	86	331
Totals	658	645	618	1921
PROVIDENCE.				
A. M. Rennie	93	101	85	279
A. Miller	97	124	100	21
P. Burns	101	124	140	365
L. Bay	107	105	107	319
P. Dunbar	102	100	90	292
W. M. Buswell	133	114	88	335
Totals	633	668	610	1193
BUFFALO.	1st game	2d		total
W. Kasting	113	162		275
Chazab	107	87		194
G. Fancourt	71	91		162
D. B. Long	83	117		200
Hammond	61	51		112
W. Scott	123	124		247
Totals	558	632		1190

Buffalo played two games.

The Election.

Mr. W. F. Gude, of Washington, the president-elect of the Society of American Florists, is a young man who by industry and strict attention to business pushed himself rapidly to the front during recent years. He is enthusiastic, progressive and enterprising, and being also possessed of sound judgment will undoubtedly prove a very acceptable chief officer.

Mr. E. M. Wood, who was also nominated for the presidency, is the proprietor of the famed Waban Conservatories, Natick, Mass., always a prime attraction to visitors to Boston. Mr. Wood is a genial gentleman of generous impulses and his motion to make the election of Gude unanimous was a happy finish to the contest. Though a member of the society since 1890, Mr. Wood has rarely attended the conventions, and therefore lacked an extensive personal acquaintance with the members.

Mr. Donaghue, the vice-president-elect, is a leading florist of Omaha and can be depended upon to ably fill the position to which he has been elected.

Secretary Stewart and Treasurer Beatty need no introduction to our readers.

New York to Providence.

When the splendid steamer Plymouth left the dock in New York for Providence over 150 delegates to the convention were on board, many delegations having arranged to travel with the New York party from that point. The weather was ideal and the ride up the sound was most thoroughly enjoyed by all. The party had a view of New York from both west and east, passing under the great Brooklyn bridge and up East River, past Blackwell's Island, and other islands devoted to public institutions and through Hell Gate into the sound.

The delegates were generously entertained with an elaborate dinner on the boat by the New York Florist Club, and good fellowship was manifested in every direction. It was a late (or early) hour before many retired to their staterooms.

Boston.

BUSINESS QUIET —WEEKLY EXHIBITION AT HORTICULTURAL HALL —JAS. BARRETT RETURNS FROM CALIFORNIA.—GARDENERS' AND FLORISTS' CLUB SPECIAL MEETING.—VISIT TO WARREN HEUSTIS & SONS' FARM —MANY STRANGERS IN BOSTON.

Business is dull in this city, so dull that no one can make it an excuse for staying at home this week. Many have taken advantage of the opportunity to combine pleasure and profit by attending the Providence meeting and the interest aroused by the candidacy of several gentlemen for the presidency of the S. A. F. also helps to swell the Boston representation at the convention. A little shipping trade is going on at all the wholesalers', this being the height of the fashionable season at summer resorts and the busy time with the florists who are located at these places. Good roses still sell well, but there are not many to be obtained.

The display at Horticultural Hall last Saturday was very pretty and there were many visitors but nothing remarkable or especially new was exhibited. M. H. Walsh showed a fine group of seedling phloxes and there was also an elegant collection of phloxes from Wm. Thatcher. Gladioluses from J. Warren Clark, montbretias from Bussey Institution and C. W. Hoitt, mimulus seedlings and salpiglossis from G. A. Oliver, outdoor-grown carnations from W. N. Craig and dahlias from W. C. Winter and John Parker were all very good. Fruit and vegetables occupied considerable space, variety large and quality excellent.

An interesting and interested visitor to the Hall was James Barrett, for many years a well-known employe at the old Hovey nurseries in Cambridge. "Big Jim," as he is familiarly known, went away to Pasadena, California, nine years ago and has been missed, for he was popular with all, and the boys were glad of the privilege of shaking hands with him once more. He proposes to settle down here again. Before leaving Pasadena he was given a farewell banquet which was participated in by about eighty gentlemen and was a most successful affair in every respect.

A special meeting of the Gardeners' and Florists' Club was held on Thursday, August 11, at Marliaves. Its object was to consider how the members of the club could best work in harmony at Providence and secure such action in the national society as to effect measures that would meet with the approval generally of the craft in this neighborhood, but it was also a very pleasant little reunion and with an abundance of good things in the line of refreshments, the social qualities of those present found good opportunity to expand.

The Garden Committee of the Mass. Horticuttural Society made a very enjoyable visit to the farm and market garden of Warren Heustis & Son at Belmont on Friday last. The many features of this interesting and successful establishment were inspected under the lead of Mr. Heustis and then came a collation that fitted just right. By an unanimous vote Mr. Heustis has permission to do it again.

Within the past few days Boston has been honored by the presence of many ladies and gentlemen from a distance who stopped over here on the way to Providence. Quite a party from Pittsburg showed up on Monday, also Messrs. Hart and Pentecost from Cleveland, and during the previous week Mr. and Mrs. A. M. Herr of Lancaster, Pa., and Mr. W. R. Smith of Washington were here. Mr. Smith was greatly interested in the many improvements in Boston's park system.

Ed. Hatch will hold a big plant sale in Horticultural Hall on September 22.

Chicago.

BUSINESS QUIET —BEAUTIES SELL WELL. —CARNATIONS STILL SHORT.— CARNATIONS UNDER GLASS IN SUMMER.

The market this week has been very quiet. Local demand is extremely light, with calls only for a limited supply of the choicest grade. In consequence roses have taken a decided slump, more particularly in the small teas. Good Beauties are still selling well and bring fair prices, $1 to $1.50 per dozen for the best. Fine Kaiserin brings $4, with good stock going at $3. But the bulk of the rose stock, which is nearly doubled this week, is now a perfect glut. Short stemmed stuff goes for anything that is offered; best select quality quoted at $2.

Carnations are still short and sell readily at 50 to 75 cents. The market is almost entirely confined to field grown flowers. All the old stock has been cleaned out with few exceptions. Most of the growers have their houses prepared for

planting and a few are already benching their stock. The carnation fields are looking well; the plants are uniformly healthy, but not as large in most localities as they were at this season last year. Still, as the plants are clean and stocky, the prospect appears good for a full supply next season.

Few growers attempt growing carnations in summer under glass. W. N. Rudd, however, has four houses planted which are looking very fine; two of these having been planted rather late, show up rather small plants, but perfectly healthy and vigorous otherwise. Jubilee, of which variety there is one house, is doing fine; another house is grown to Flora Hill and one to Mayor Pingree. Besides these a number of the new varieties in more or less number are having a trial.

Pittsburg.

BUSINESS IMPROVED.—FLOWERS PLENTIFUL —OFF FOR PROVIDENCE.—MR. BREITENSTEIN CLOSES HIS STORE FOR SUMMER.

The past week has been a little better for business in that the florists have had two days of good trade. On Thursday the trade was fair while on Saturday it was quite brisk; several of the florists in the Allegheny Market sold out all of their stock, something they have not done for sometime. Flowers are plenty with the exception of carnations, they are scarce and first-class ones are hard to get.

The members of the club started off in great shape on the 12th for Providence, about 35 constituted the party; postal received from Mr. Julius Ludwig states they enjoyed their ocean trip very much and several had a practical experience of sea-sickness, but all were in good condition for the S. A. F. convention.

Mr. Walter Breitenstein, Smithfield street, closed his store and went on a vacation. He will re-open on September 27. His experience of last year's trial of closing for a time during the summer proved satisfactory enough for him to repeat it this year.

The Phipps Conservatories are looking very well indeed this summer, being greatly improved over last year in every department. In the water lily houses the arrangements have been altered for the better very much. The pond or basin in the nymphæa house is all in one now instead of being subdivided as formerly into many compartments with walks between them, and is planted with many varieties of aquatic plants. Among them are Nymphæas Columbiana, Deaniana, Zanzibarensis, dentata, rubra, elegans, Leydekerl rosea (a French hybrid and one of the best bloomers), and Sturtevanti, delicatisima, gracilis, and Devoniensis. Eichhornia crassipes grows all around the edge. Papyrus antiquorum, Thalia dealbata are also seen. Alocasia regalis had always been grown with the stove house plants, but this year it was tried in the water, with the result of a much better and larger bloom, and it is in every way a success. It is planted nearly in the center of the water space. There are four varieties of nelumbium, water poppy, etc.

In the Victoria regia house adjoining, the center, an oval basin, is filled with this most magnificent lily. The leaves are about 7 feet in diameter now, and Mr. Joe Spring, who is the foreman in charge of these conservatories, expects much better results next month, as they are increasing in size rapidly. He has succeeded in getting rid of the troublesome insect that heretofore ate holes in the leaves. This year they are entirely free from blemishes. Surrounding the pond are planted alocasias, crotons, dracænas, Cyperus alternifollus and many other tropical plants. The whole effect is very fine and is greatly admired.

The gloxinia exhibit is attracting marked attention, being a collection of 4500 seedlings, and their old plants in addition. The seedlings have turned out remarkably well; there is scarcely a poor one in the lot and many are as fine as one could wish.

The chrysanthemums are looking very well indeed and the exhibition of them is expected to be away ahead of the previous ones. Mr. Jones who has sole charge of them this year is to be congratulated on their fine condition.

Mr. Falconer has succeeded in getting quite a collection of fancy leaved caladiums, some of the varieties very beautifully marked.

Mr. James Semple, Bellevue, presented last week to the Phipps Conservatories a fine collection of cacti. The plants were large and included many fine varieties, and several were fine specimens of grafting four and five varieties on to the one plant. It is the intention to have a cactus house, and a collection of this interesting class embracing a great variety.

REGIA.

St. Louis.

MEETING OF THE FLORIST CLUB —ELECTION OF OFFICERS.—NEW MEMBERS.—DR. HALSTEDT ENRERTAINS MEMBERS.—CONDITION OF MARKET.—NO REPRESENTATION AT PROVIDENCE.— PICNIC OF FARMERS GARDENERS AND FRUIT GROWERS —VARIOUS ITEMS.

The regular monthly meeting of the Florist Club was a large and enthusiastic one, in fact the largest attendance of the year; every chair was taken and all present were much interested in the proceeding.

After the regular order of business was transacted the election of officers took place, that of president being first with the following four candidates in the field: Dr. A. S. Halstedt, R. F. Tesson, C. C. Sanders and W. F. Young. A very large vote was polled and after the ballots were counted it was found that Dr. Halstedt had been elected. Mr. Halstedt was then called upon to make a speech, which he did in a very happy manner, it being received with much applause.

The next in order was for vice-president, only two candidates John W. Kunz and Fred W. Ude, Jr., being in the field. Just before the balloting began Mr. Kunz withdrew his name and Mr. Ude was elected by a unanimous vote.

For secretary, Mr. Emil Schray having no opposition was elected by a unanimous vote. For treasurer J. J. Beneke was also elected by unanimous vote, having no opposition.

For the three trustees there were five candidates: H. G. Ude, C. C. Sanders, Max Herzog, Chas. Juengel and Frank Fillmore. After two ballots had been cast Max Herzog, C. C. Sanders and Frank Fillmore were elected. After the election the annual report of the secretary and treasurer was read. The reports showed that the club had a membership of 68 active members and also that the club is well off financially, the treasurer's report showing a balance on hand of $305.48. There is also coming to the club some $80 00 for special prizes from the last chrysanthemum show which is not yet paid, and the persons who offered these special prizes will be given one month more time to pay up before legal proceedings will be brought by the club.

Three applications for membership were received as follows: Frank Ellis, manager for the Mound City Cut Flower Co., George Windler, florist, and Theo. Richter, grower of Kirkwood. Our visitor was Fred Foster of Milwaukee.

After a very hot discussion over queries from the question box the meeting adjourned until Thursday, September 9, at which time the newly elected president hopes to see a large attendance.

After the adjournment a photograph was taken of the newly elected officers. Dr. Halstedt then invited all the members to the Hotel Rozier, where a fine spread with refreshments was furnished. We all had a good time till 9 p. m. when we went home after giving three cheers for the new president.

Trade in the cut flower line has improved a little since the cooler weather and stock is also looking better, especially roses. Some very good stock from young plants can be seen at all the wholesale houses. Bridesmaids, Perles, Kaiserins and Meteors are good in color and fine foliage, the best of them bringing 3 and 4 cents, with second quality going for 1 and 2 cents.

Carnations are scarce and the few that come in are very small, still they bring $1 per hundred.

Asters are very plentiful and are selling at 50 cents per hundred, with a few extra fine large, white going as high as $1.50; white has the call. Hardy hydrangeas are getting smaller and pinkish in color. Gladioluses are still plentiful and meet with very little sale.

Tuberose stalks are fine, with quite a demand at 3 and 5 cents each. Some good smilax can be had but the demand is light.

I regret very much to say that St. Louis will not be represented at the S. A. F. convention, not one reported at the club meeting who said they were going to Providence.

The fourth annual picnic of the Farmers, Gardeners and Fruit Growers Association of St. Louis county and city was held at Grueninger's Grove on the Olive street road. Everybody had a good time and the event was a grand success.

Otto Luecker of St. Paul, late foreman for R. J. Mendenhall, Minneapolis, Minn., was a visitor last week. Mr. Luecker likes St. Louis and may locate here.

J. T. Windt, the Bayard avenue florist, returned home last week after a very pleasant trip to California.

The bowling club bowled its regular three games Monday night with not a very good attendance. In the three games bowled Emil Schray was high man with 589. C. Beyer second with 588, Beneke thiro 553. The high single game was by Beyer with 232, Schray second with 223, Beneke third with 221. We hope for a better attendance for next Monday night. J. J. B.

Johnstown, Pa.

L. B. Hunt has removed his flower store to more commodious quarters on Franklin street. The store is neatly and attractively furnished.

Florist Neissner is putting things in tip top shape for the coming fall trade. Besides growing cut flowers, Mr. Nelssner devotes a great deal of his attention to palms. I noticed some excellent specimens of arecas and kentias. Mr. Neissner intends adding one more palm house.

A. Ackens & Co. report a brisk trade in funeral work and Mr. Adolph Stahl speaks quite encouragingly as to the general outlook. HOMO.

St. Paul.

TRADE FAIR.—ASTERS AFFECTED BY BLIGHT.—'MUMS LOOK WELL AT L. L. MAY'S.—NO ONE GOING TO CONVENTION. —NOTES.

While trade is not booming it is good for this month, the quietest in the year. Roses and carnations sell fairly well, while outside stock like gladioli, sweet peas, dahlias, asters, etc., is not in great demand. Funeral work constitutes the bulk of the business at present, but we look for a good business in other lines soon.

In roses Beauty, Kaiserin, Meteor and Testout are in greatest demand. Some carnations from old plants are still being cut which are of fair quality and meet with ready sales.

The summer has been very wet and outside stock has made a good growth. Asters are badly affected by a blight and three-fourths of the plants are dead or dying.

L. L. May & Co. have 3000 potted 'mums and about 8000 single stems in benches all looking very fine. They are now throwing out their old carnations from the benches preparatory to replanting. They are building a new violet house which they expect to fill with Marie Louise and California as soon as completed.

Ed. Behrens has torn down his old houses and is building two new ones 20x80 each. His place is located on Kent street, in the residence district.

Aug. Vogt has returned from Wabasha street to West Third street, in the store formerly occupied by C. D. Elfeldt, who retired some months since.

Hoitomt & Co. is the name of a new firm located at corner of Western and Selby avenues, in the store formerly occupied by Anderson, the hill florist.

L. G. Verzke, the genial manager of J. J. Hill's private place, showed me a fine display of grapes grown under glass by him. He grows a general line of plants and has a fine collection of orchids.

We hear of no one going to the convention. The time and expense are important items, and as many of our florists are in debt and struggling to keep along they cannot afford the expense. I hope the eastern brethren will bear this in mind and bring the convention to Milwaukee another year. FELIX.

Springfield, Ohio.

To be held up by four burglars at the muzzles of as many revolvers is a thrilling experience indeed, one which is likely to leave a lasting impression upon Mr. A. R. Aldrich, the High street florist. Fifty dollars and a silver watch was the booty secured by the daring desperados. It was on Saturday, the 14th inst., about 9 o'clock in the evening, when upon nearing Main street on Belmont avenue, on his way home, Mr. Aldrich was startled to see a revolver flashed in his face. Before he could fully realize the situation and gather his thoughts he was covered by three more revolvers and commanded to "shell out." There was but one alternative left, and that to obey the command. The robbers were very cool and deliberate about their work, doing a thorough job and without much ado.

Mr. Aldrich is about to commence building an additional house for chrysanthemums to cover 80x28. HOMO.

THE DIRECTORY and reference book for 1896 contains 335 pages, an increase of 64 pages over that of 1894.

San Jose, Cal.

BUSINESS FAIR.—BULB SHIPMENTS RECEIVED.—VARIOUS ITEMS —VISITORS.

Business has been fairly good during the week in this city and flowers have brought good prices. There has been quite a call for asters and roses. Carnations also have sold very well. We are receiving plenty of out door lilies, such as albums, rubrums, etc., and as a general rule they bring a good figure.

Sweet peas are still in demand but are of rather poor quality. Many of our growers have received their advance shipments of bulbs and have rushed the same along for early work. There is also a scarcity of good decorative plants in this neighborhood.

M. Chas. Navelet has had his store enlarged to meet his increasing trade. Mr. Navelet is going into the retail seed business quite heavily of late. His new store in Sacramento has proved a success.

The Garden City Floral Co. have their greenhouses all in the best of condition. They have some extra well grown chrysanthemums and roses which will undoubtedly prove very profitable this coming season. Their daily cut of carnations is also very large.

At Mr. Bourguignon's nursery we find that this large establishment is still sending in plenty of cut flowers to this market. His rose houses have just been replanted and are making a splendid growth. Mr. Bourguignon's cucumber house produced a great number of cucumbers the past season for which he received the highest market price. The palms and decorative plants are also looking well.

Mr. Geo. Lehmann who is the largest carnation grower in this vicinity is sending in large lots of Portias, Scotts and Daybreaks. He also ships his surplus stock to the San Francisco market.

Recent visitors: Emile Serveau of San Francisco, M. Lynch of Menlo Park, Lester L. Morse of Santa Clara and J. M. Kimberlin of Santa Clara.

FT. SCOTT, KANS.—The Bourbon Co. Horticultural Society was recently organized at a meeting in this city. J. B. Saxe is president and T. H. Smallwood is secretary.

PONTIAC, ILL.—W. J. Miller is about to build a new three-quarter-span house 9x80 for vegetables. He expects to have it completed by September 15.

FLORISTS' HAIL ASSOCIATION.

TENTH ANNUAL REPORT OF SECRETARY.

The number of members of the Florists' Hail Association at the close of this report is 705.

The risks assumed are as follows: Upon 2,488,592 square feet of single thick glass. Upon 5,741,098 square feet of double thick glass. An extra one-half insurance upon 136,912 square feet of single thick glass. An extra one-half insurance upon 239,669 square feet of double thick glass. An extra whole insurance upon 556,811 square feet of single thick, and upon 1,122,417 square feet of double thick glass, making it equivalent to a single insurance upon 10,067,209 square feet of glass.

The Reserve Fund consists of $3,000 in bonds and $2,215.26 cash in hands of the Treasurer.

The Amount of Emergency Fund on hand at the close of this report was $3,365.79, making the total cash balance in the hands of the Treasurer $5,581.05.

The Seventh Assessment levied March 1st, 1897, brought to the Fund consists of $5,353.68.

The Expenditures for Salary of Officers, Stationery, Advertising, Postage, etc., have been for the year $796.63.

The sum of $2,919.13 has been paid for losses during the year.

36,783 square feet of single thick and 6,232 square feet of double thick glass, belonging to members, have been broken during the year.

The percentage of loss has been 1 square foot of single thick glass broken to every 67 24,131-36,783 feet insured, and 1 square foot of double thick glass broken to every 921 713-3,116 square feet insured.

The especial feature this year is, that the loss on double thick glass has been unusually small.

The record for satisfactory adjustment of losses remains unbroken, and notwithstanding universal business depression, the Florists' Hail Association has grown more rapidly during the past year than at any time since incorporation, and it closes the 10th year of its existence with an average gain of insurance upon 1,000,000 square feet of glass annually.

JOHN G. ESLER, Secretary.

TREASURER'S REPORT.

1896	LOSSES.	
Aug. 10,	George Clark, Denver, Colo.	$40 28
Aug. 25,	C. Burtschy & Bro., St. Bernard, O.	30 40
	E. Manthy, Jr., "	40 25
	E. Manthy, Sr., "	15 00
	Aug. Rahner, Villisca, Ia.	2 00
	G. Van Bochove & Bro., Kalamazoo, Mich.	34 83
Sept. 1,	Button Bros., Lake Geneva, Wis.	10 50
	Emil Glauber, Montclair, Colo.	18 26
	E. W. Bergstrom, Des Moines, Ia.	5 00
	Mrs. R. Mauff, Denver, Colo.	24 38
	Colfax Ave. Floral Co., Denver, Colo.	169 87
	A. Donaghue, Omaha, Neb.	315 60
	Paul Paulsen, "	38 25
	Jno. Ederer & Son, "	78 54
	E. C. Erffinger, "	37 85
	Hess & Swoboda, "	159 85
	McPherson & Reed, "	12 16
Sept. 11,	Geo. Magree, College Hill, O.	14 10
	Augustus Trantman, Weir, Kans	30 15
Sept. 28,	Emil Glauber, Montclair, Colo.	6 08
Oct. 2,	DeWitt Bros., Bristol, Pa.	13 23
Oct. 5,	Mrs. Margaret Sweeny, Harrisburg, Pa.	9 75
	W. H. Druse & Co., Beardstown, Ill.	12 25
Oct. 9,	W. Wood, Trenton, N. J.	44 87
1897		
Mar. 22,	John Lorenze, Des Moines, Ia.	2 10
May 5,	Henry Rollinson, "	7 80
	J. F. Marshall, "	32 50
	C. Rumfeld, Clay Center, Kans.	1161 42
	S. D. Brandt, "	249 00
May 7,	Aug. Rahner, Villisca, Ia.	2 50
	Louis Rauscher, Freeport, Ill.	3 65
	E. W. Bergstrom, Des Moines, Ia	76 36
May 10,	John Lorenze, "	5 75
May 17,	W. L. Morris, "	35 37
May 20,	L. A. Moore, Plattsmouth, Neb.	51 53
May 21,	E. H. Gilbert, Winfield, Kans.	33 75
June 24,	A. F. Barbe, Kansas City, Mo.	15 84
June 25,	Henry Smith, "	32 05
July 2,	Heite Floral Co., "	21 39
July 12,	F. M. Teter, Ottumwa, Ia.	4 80
	Alice Kinney, Old Franklin, Mo.	15 67
	Schmalz & Huber, Marysville, Kans.	3 80
		$3919 13
	Cr. by overcharged reinsurance	12
		$3919 25

1896	EXPENSE ACCOUNT.	
Sept. 1,	A. T. DeLaMare Printing and Pub. Co., printing	$9 15
	Market St. Printing House, envelopes	2,50
	American Florist Co., advertising	24 85
Sept. 28,	Southern Florist & Gardener, "	1 00
Oct. 9,	J. M. Jordan, postage & envelopes	7 00
Nov. 5,	A. T. DeLaMare P. & P. Co., print'g	21 75
Dec. 28,	"	7 50
1897		
Jan. 26,	" advertising	7 00
Jan. 20,	" printing	7 10
Feb. 11,	J. M. Jordan, extra services	50 00
May 7,	A. T. DeLaMare P. & P. Co., print'g	1 41
May 25,	"	1 60
Mar. 5,	John G. Esler, postage	20 74
Mar. 23,	A. T. DeLaMare P. & P. Co., print'g	4 25
Mar. 30,	Hackensack Republican, envelopes	3 00
Apr. 5,	A. T. DeLaMare P. & P. Co., print'g	3 85
Apr. 20,	box rent, Trust Co.	5 00
May 14,	Market St. Printing House, envelopes	2 50
May 26,	Market St. Printing House, print'g	1 50
June 7,	Frank Reeder, certificate state of Pa.	10 75
June 24,	John G. Esler, salary	400 00
July 7,	Albert M. Herr, salary & postage.	126 30
	J. M. Jordan, salary and postage	54 00
	A. T. DeLaMare P. & P. Co., advtsg.	6 50
July 8,	" print'g	2 16
July 12,	J. G. Esler, postage	15 22
		$ 796 63

	RECEIPTS.	
	7th assessment	$5353 68
	Membership	503 49
	School book	500 00
	Interest on bonds	142 50
	1st assessment (new)	375 27
	1st assessment (additional)	277 85
	Ex. one-half	32 45
	Ex. whole	174 11
	Reinsurance	43 93
	Balance, 1896	1803 65
		$9206 93
	Less expenditures	3715 88
	Total	$5581 05

Signed: ALBERT M. HERR, Treasurer.

Amount of securities $3000 00

Northampton, Mass.

TRADE REMAINS DULL.—DONALD M'GREGOR CAPTURES FIRST PRIZE.—VARIOUS ITEMS.

Sweet peas, asters, carnations and a few palms and ferns furnish all the window display which the store men have energy enough to make and that is about all the use they have for flowers at present, for with the exception of an occasional funeral order trade may be said to be a thing of remembrance; but all are looking forward to a good fall trade and houses are being renovated and repaired in readiness for planting. Sweet peas have been unusually good this season and large quantities have been disposed of.

Mr. Donald McGregor captured first prize for gloxinias at the sweet pea show in Springfield. Alex Parks and E. J. Canning also made displays for exhibition only.

Mr. H. W. Field has been spending his vacation in the Nutmeg state, calling on A. N. Pierson of Cromwell during his trip, and reports everything in first-class condition.

Some nine hundred chrysanthemum plants were given away to children by the Horticultural Society at its July meeting for which prizes will be offered at the show. G. W. THORNILY.

DO YOU WANT a list of the cemeteries of the country that use trees, shrubs and plants largely in the ornamentation of their grounds and that are apt to be large buyers of these and other horticultural supplies? You will find such a list in our trade directory and reference book. Price $2.00.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—By married man with some experience in greenhouse. Will advance by Dec. 1st $250 in the business. H. L. COOK, Sidney, Ill.

SITUATION WANTED—By first-class grower and decorator, position either in store or greenhouse. References No. 1. Address VERITAS, care American Florist, Chicago.

SITUATION WANTED—As grower or foreman on commercial place; 18 years' thorough, practical experience growing roses, carnations, 'mums, violets, bulbs. References. WORKER, care Am. Florist.

SITUATION WANTED—By first-class grower and decorator, 38 years old, single, German; 18 years' experience in all branches; sober. First-class references. Private or commercial place. GARDENER, care Mr. Centner, 503 Webster Ave., Chicago.

SITUATION WANTED—As grower of roses 'mums, carnations, etc. Can give first class references as to ability and character from past and present employers; age 22; single. Please state wages, etc. ROSEGROWER, care W. W. Coles Kokomo, Ind.

SITUATION WANTED—As assistant florist or gardener; private or commercial place; 12 years' experience in garden and greenhouse work; strictly sober, willing. Good references; age 28. Eastern states preferred. Address G J, care American Florist.

WANTED—5000 field-grown carnations leading vars. Lowest price. C. K SWENSON, Elmwood, Conn.

WANTED—Two gardeners for show, fern and palm house $20 and $25 and board. A. FUCHS, 3059-73 N. Halsted St., Chicago.

WANTED—At once, a good all around grower of general stock—no expert. Single man address REINBERG BROS., 51 Wabash Ave., Chicago.

WANTED—A competent florist to buy and make himself generally use ul in a florist store; Sept. 15th. DARDS, 44th St. and Madison Ave., New York.

WANTED—To rent first-class greenhouses, stocked, doing good business, near the lakes, U. S. or Canada. Address B E, 210 N. Ver. St., Danville, Ill.

WANTED—To buy a florist establishment of modern style with about 1800 feet of glass; dwelling connected. Write stating full particulars and terms Address Lock Box 5, West Toledo, O.

WANTED—A good man to take charge of commercial greenhouses, 6000 feet of glass; also management of store. Must be a good designer and decorator. Address, giving age, single or married, experience and references; state wages. A. FRENCH, Ottawa, Canada.

FOR SALE—Glass 10x12, never been used; less than wholesale prices Cash. Address J E S, care American Florist, Chicago.

FOR SALE—A flower business on a prominent thoroughfare in St. Louis doing a good and profitable business. Reason for selling, failing health. Address ST. LOUIS, care American Florist.

FOR SALE—Another lot good sound second hand 3-inch boiler tubes, 4 cents per foot. Secure them while they last; no shing better or cheaper for hot water heating. W. H. SALTER, Rochester, N. Y.

FOR SALE—In Warren, R. I., 5 greenhouses, nice 6-room cottage, barn, sheds, shops, etc.; about 10 acres of good land; young orchard, shade trees and grapevines. Greenhouses and cottage heated with hot water. Windmill supplies water over the premises. Can be bought on easy terms. Apply to O. H. NYE, Warren, R. I.

FOR SALE—Greenhouses at Madison, Wis; nearly new, contain about 6000 feet of glass, with large potting and sa e rooms. Have all modern appliances. The State University with 1800 students and large faculty, the state capital and federal offices, and a population of 18 000 inhabitants make it a most desirable location. There is but little competition. Madison wants a first-class greenhouse, and to the right man it is a rare opportunity. Will be sold at a sacrifice. Come and see for yourself, or address C. K. TENNEY, Assignee, Madison, Wis.

FOR SALE AT HALF ITS COST 18,000 ft. of glass, well stocked, convenient to New York City two-story dwelling, 9 rooms, all heated by steam. Good barn and dwelling for foreman. Paying business established 5½ acres of choice land. Electric cars pass the door. Ill health the cause for selling. For further particulars address B J, care American Florist, Chicago.

FOR SALE.

A SPLENDID OPPORTUNITY for a good live man with small capital. Lease and stock of eight greenhouses with dwelling, store, etc. Stock is in No. 1 shape. An old and well established business in a large and thriving western city. All for sale AT A BARGAIN. Ill health cause for selling. If you mean business address for particulars A A, care American Florist.

GREENHOUSES FOR SALE, CHEAP, AT RAMSEYS, N. J.

The W. J. Thurston range, consisting of two houses 103x16 ft., one house 130x20 ft., one house 105x10 ft 6 in., one house 130x11 ft 6 in., and one sash house 60x10 ft., all heated with Hitchings & Co.'s corrugated fire-box boilers, pipes and fittings, and, in addition to the above, the heating apparatus, consisting of two No. 17 boilers with pipes and fittings, is in place for one house 105x16 ft. and one house 134x20 ft. There are two potting sheds and a stable on the place, which consists of about two acres of land situated at Ramseys, N. J. The above property will be sold cheap to close the estate. Apply to W. J. Thurston, on the premises, or BARGAIN, care American Florist, Chicago.

FOR SALE.

PRIMROSE PLANTS, ready for 3 and 4-in. pots, $2.50 per 100.

☞CASH WITH ORDER.

M. & S. DYSINGER, Albion, Mich.

VIOLETS.

Strong, field-grown plants from cold frame; stock never had disease.

MARIE LOUISE, CZAR, SWANLEY WHITE, $30 per 1000; $17 per 500; $4 per 100.

CASH WITH ORDER.

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H. Wrede,

LUNEBURG, GERMANY.

PANSY SEED.

133 First Prizes, the highest awards World's Fair, and Hamburg, 1897.
1000 Seeds, finest mixed 25c.
1 oz. " " " $3.75

☞Price List on application. Cash with order.

Pansies Worth Raising.

NEW CROP SEED of this POPULAR VARIETY.

3-16 ounce	$1.00
1-2 "	2.25
1 "	4.00

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GARDEN SEEDS,

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

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Mention Am. Florist when writing.

3000 SMILAX

left, extra strong from, 3, 2½ and 2-inch pots, Oct. sowing, $1 25 a 100; $10 a 1000. Sample 10 cts. Cash with order.

PAUL LIEBSCH,
West Main Street, BATAVIA, N. Y.

3,000 Smilax

3-inch pots, $2.50 per 100.

5,000 Adiantum Cuneatum

3 inch pots, $5.00 per 100.

Splendid stock. Cash with order.

HENRY A. NIEMEYER, Erie, Pa.

FERNS.

We make a Specialty of small Ferns for the Fall trade.
Write for special prices on large quantities. Order early.

JOHN SCOTT,
Keap Street Greenhouses, BROOKLYN, N. Y.
Mention American Florist.

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Roses, Palms,

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THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

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Clematis, Rhododendrons, Magnolias, Hardy Azaleas, Tree Roses, Etc.

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Branch Horticultural Co., Boskoop, Holland.

300,000 SMALL and LARGE FERNS

to variety; well grown; reasonable prices. Send stamps for samples.

COCOS WEDDELIANA, 2½-inch pots, at $6 00 per 100.

CARNATIONS from field, Victor, Daybreak, Scott, McGowan, K. Clover and Eldorado.

B. REDFIELD, Glenside, Pa.

OUR PANSIES

same high grade that has made them famous over 15 years. We continue adding the world's best and select yearly choice plants for our seed. Plants, $5.00 per 1000, 75c per 100. Seed, $1.25 per ¼ oz.

DANIEL K. HERR, Rider Ave., Lancaster, Pa.
Mention American Florist.

PANSY SEED.

Mixed together, of Bugnot, Cassier, Odier, Trimardeau, and many other varieties, ½ ounce $2.00; 1 ounce $3.50.
Plants ready September 15, at $3.50 per 1000.

PRIMROSES.

7000 Primroses, single, mixed colors, $2.50 per 100.
CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, O.

HYDRANGEA OTAKSA

2½-inch pots, $3.00 per 100. Cash with order.

SAMUEL J. BUNTING, Elmwood Ave. & 58th St., Phila.

Consignments Solicited.



Telephone Main 1139.

Largest, Coolest and Best Market in Chicago.

Constant supply of all SEASONABLE FLOWERS. Full line of FLORISTS' SUPPLIES, WIRE WORK, Etc. Consignments of First Grade Stock solicited.

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J. B. DEAMUD, Manager.
SPECIAL DISCOUNT ON **WIRE WORK**
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SMILAX.
A few thousand Smilax, good strong plants in 2½-in. pots. Write for price.
GEO. SOUSTER, Elgin, Ill.

PALMS. ROSES. FERNS.
17 PALMS, 3 to 4-in., of best vars., and 2 FERNS for $3.00. Per 100
MONTHLY ROSES, 2-inch $3.00; 3-inch $5.00
A. CUNEATUM (Maidenhair fern), 3-inch... 5.00
4-inch $8 per 100. Clumps from bench.... 12.00
Plants, Labels, Moss, Mailing and Express Boxes. Florists' and Nurserymen's Supplies.
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	CHICAGO, Aug. 20.
Roses, Beauties, long	10.00@16.00
" " medium	6.00@10.00
" " short	4.00@ 6.00
" Brides, Bridesmaid	1.00@ 5.00
" Meteors, La France	1.00@ 3.00
" Kaiserin	1.00@ 4.00
" Niphetos, Perle, Gontier	1.00@ 2.00
Carnations	.50@ .75
Sweet peas	.10
Swainsona	.75
Asters	.50@ .75
Adiantum	.50@ .75
Smilax	8.00@10.00
Asparagus	50.00
	ST. LOUIS, Aug. 19.
Roses, Beauties	6.00@10.00
" Meteors, Kaiserin	1.00@ 4.00
" Brides, Maids	1.00@ 4.00
" Mermets, La Franco	1.00@ 3.00
" Perles	1.00@ 3.00
Carnations	1.00
Asters	.50@ 1.50
Tuberose stalks	3.00@ 5.00
Sweet peas	.15
Smilax	10.00@12.50
Adiantum	1.00
Asparagus	25.00

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FLORISTS' SUPPLIES
Immortelles and Moss Wreaths, Cycas and Galax Leaves. Fresh Cape Flowers.

Baskets, Jardinieres, Stands, Fern Dishes, also all Funeral Requisites, Doves, Inscriptions, Metal Designs, Dried and Artificial Flowers, and our Special Patent Ribbon Letters.

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PRICE $2.00.
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For Decorating and all Florists' Designs.
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WIRE WORK A SPECIALTY.

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Special attention paid to Shipping orders.

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WHOLESALE
GROWERS OF CUT FLOWERS.
500,000 FEET OF CLASS.
We can fill all orders on short notice with all leading varieties of Roses and Carnations.
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Give us a trial and convince yourself.
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Mention American Florist.

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STANDING ORDERS, we will give special prices.
19 & 21 RANDOLPH STREET,
Fine Stock a Specialty. CHICAGO.

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This wooden box nicely stained and varnished, 16x30 x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1 1-2 or 2 inch size, per 100, $2.00
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Fastener with each letter or word.
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MARIE LOUISE, 5000 to 7000, strong, healthy plants, $6.00 per 100; $50.00 per 1000. 500 at 1000 rate.
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Wholesale Market.

Cut Flowers.

NEW YORK, Aug. 18.

Roses, Beauty, extra	5.00@35.00
" " medium	3.00@10.00
" " culls	.50@ 1.00
" Bride, Bridesmaid	.50@ 4.00
" Morgan, Testout, Meteor	.50@ 3.00
Carnations	.25@ .75
Valley	2.00@ 3.0
Sweet peas per 100 bunches	.25@ .50
Asters, per 100 bunches	1.00@ 2.00
Gladiolus	.50
Adiantum	.50@ .75
Smilax	10.00@12.00
Asparagus	40.00@50.00

BOSTON, Aug. 18.

Roses, Beauties	6.00@25.00
" Gontier, Perle	1.00@ 2.00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
Carnations	.50@ 1.00
Valley	2.00@ 3.00
Asters	.25@ .50
Gladiolus	1.00@ 3.0
Sweet peas per 1000	1.00
Pink pond lilies	4.00
Adiantum	1.00
Smilax	10.00@12.00
Asparagus	50.00

PHILADELPHIA, Aug. 18.

Roses, Beauties	6.00@12.00
" Brides, Maids	2.00@ 4.00
" Meteors, La France	2.00@ 4.00
Carnations	.50@ 1.00
Valley	3.00@ 4.00
Sweet peas	.25@ .50
Gladiolus per 100 stalks	2.00@3.00
Tuberoses per 100 stalks	2.00@3.00
Asters	.50@ 1.00
Smilax	12.00@15.00
Adiantum	.50@ 1.00
Asparagus	35.00@50.00

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WHOLESALE.
67 Bromfield St., BOSTON, MASS.

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15 PROVINCE ST., BOSTON, MASS.
Space assigned to growers wishing to consign goods regularly.
Space to rent to growers wishing to sell their own goods.

Asparagus Plumosus Nanus.
Strings 10 to 12 feet long,
50 CENTS.
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MOUND CITY CUT FLOWER CO.
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CONSIGNMENTS SOLICITED
Special attention given to shipping orders.
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Smilax Plants
from 3-inch pots, $2.50 per 100; $20.00 per 1000.
It pays to buy strong plants.
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49 WEST 28th STREET,
NEW YORK.
SPECIAL EXTRA STOCK OF AM. BEAUTY, METEOR, BRIDESMAID, BRIDE.
Record Breaking Carnations
ALL THE YEAR ROUND.

American Beauty
and all other choice Roses in unexcelled quality.
Carnations, Mignonette, Orchids and Valley.
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WHOLESALE
FLORIST,
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Roses shipped to all points. Price list on application.

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Careful Shipping to all parts of the country. Price list on application.

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ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
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WHOLESALE
COMMISSION FLORISTS,
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Consignments Solicited. CINCINNATI, O.
Special attention given to shipping orders.

SMILAX.
Strong plants, from pots, $2.00 per 100; $18.00 per 1000. Cash with order.
SAMUEL J. BUNTING, Elmwood Ave. & 58th St., Phila.

ROSES. 500 BRIDE, 3-inch . $2.00 per 100
500 BRIDESMAID, 3-inch 2.00 per 100
SMILAX, 500 2-inch. . . . . 1.00 per 100
DAVIS & BAIRD, Dixon, Ill.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

California Seed Crops.

There is not much to say regarding the seed growers other than that they are all now busily engaged in harvesting the crops, nearly all turning out favorably, much to their satisfaction. Semple's asters are now blooming and look fairly well. Sweet peas are the same as last noted, that is with few exceptions very poor. The onion harvest is now at its height and is proving very satisfactory. The harvest of Cupid sweet pea is also over and owing to the dry spring the crops will not come up to expectations.

METEOR.

ONION sets at Cincinnati are reported a good crop, price for yellows starting in at about $1.25.

S. B. HICKS, representing Cooper, Taber & Co., London, is now making his fall trip in the U. S.

WHILE the sweet corn acreage in Nebraska is reduced, it is thought the yield will be an average one.

AT Chicago the market gardeners have had so far a satisfactory season, most produce realizing good prices.

WEBER & DON, New York, report an active demand for spinach, which seems to be general throughout the country.

MR. E. SCHOETTEL of Vilmorin, Andrieux & Co., Paris, who is making his annual autumn trip, will arrive about October 1.

ONION sets at Chicago will be a fair crop and apparently of more satisfactory quality than last year. There is a good demand for winter or Egyptian onions.

INDEPENDENCE, IA.—The Rush Park Seed Company's losses by fire have all been satisfactorily settled. They received on the building $2,786,53, and paid by three different fire companies. On stock $7,179.25, divided among five companies. On fixtures $221.29. This makes a total amount allowed for damages by fire $10,183.07. They will probably rebuild right away.

Growing lily of the Valley Pips.

Can lily of the valley be grown for forcing pips in the climate of North Carolina? All information as to culture, soil, etc., will be appreciated by J. H. T.

Shading.

What is the best and cheapest shading for the outside of greenhouses for summer; liquid form? J. O. T.

DO YOU WANT a complete alphabetical list of carnations in commerce in America, with name of introducer, date of introduction and brief, accurate description of each? You will find such a list in our trade directory and reference book for 1896. Price $2.00.

THE AMERICAN FLORIST'S
COLOR CHART
Is now accepted as the standard in preparing color descriptions, by many foreign houses as well as in America.
PRICE 15 CENTS POSTPAID.
AMERICAN FLORIST CO., 322 Dearborn St., Chicago.

JOHNSON & STOKES.
Kingly Giant Pansies.
Our Prize Gold Coin Collection of Kingly Pansies cannot be surpassed in size of flower, perfection of bloom, or for the variety of markings or richness of coloring.

WE OFFER
$50.00 In Gold ... Premiums
FOR BIGGEST PANSIES.

We know that in our "Kingly Collection of Giant Pansies" we have as fine a strain of pansies as it is possible to produce. To stimulate an effort to show them at their best, we offer the following GOLD PRIZES:

$25 00 in Gold for the Largest Pansy.
10 00 in Gold for the Next Largest.
5.00 in Gold for the Next Largest.
3.00 in Gold for the Next Largest.
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1.00 in Gold for the Next Largest.
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CONDITIONS OF COMPETITION.

Competition is open to all who purchase of us, our J. & S. Kingly Collection of Giant Pansies. Inside of each packet will be found a card, on which the flower must be carefully mounted and pressed and sent to us on or before October 1st, 1898.

PRICES, Per Trade Packet.....$ .50
Per ¼ Ounce..... 1.25
Per Ounce..... 5.00
Per ¼ Pound..... 15.00
Per Pound.....50.00

Other Pansies.

	Trade Pkt.	¼ Oz	Oz.
Giant Yellow	$ .40	$1.00	$4.00
" White	.40	1.00	4.00
" Striped	.40	1.00	4.00
" Black	.40	1.00	4.00
" Blue	.40	1.00	4.00

	Trade Pkt.	Oz.
Bugnot's Giant Blotched	$ .50	$5 00
Cassier's Five Blotched	.50	5.00

	½ Trade Pkt.	Trade Pkt.
CINERARIA, James' Giant strain	$ .60	$1.00
CHINESE PRIMROSE, Prize English Mixed	.60	1.00

WRITE US YOUR WANTS IN BULBS. We can suit you in price.
JOHNSON & STOKES, 217 & 219 Market Street, PHILADELPHIA, PA.

Bulbs
Of any kind quoted f. o. b. at lowest rates, by
HULSEBOSCH BROS., Englewood, N. J.

ROSES. CLEAN, HEALTHY STOCK.
Bride, Maids Perle, Sunset, Mrs. Morgan, Niphetos, Testout, Belle Siebrecht, from 2½-inch pots, $3.50 per 100, $30.00 per 1000.
Perle, Bridesmaid, Testout, Mrs. Morgan, Belle Siebrecht, strong plants from 3-inch pots, $5.50 per 100; $50.00 per 1000.
SWAINSONA ALBA, 4-inch pots $1.50 per dozen.
I will exchange Roses for young Palms, Pteris tremula, Double Violets and H. P. Roses.
JOSEPH HEINL, Jacksonville, Ill.

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WHITE PLUME and GIANT PASCAL.
Field-grown plants at $1.00 per 1000. Cash with order. Samples free.
EXTRA HEAVY TRANSPLANTED WHITE PLUME, $2.00 per 1000; $18.00 per 10000.
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CHINESE PRIMROSE PLANTS.
Strong and well grown, ready for 3-inch pots. This grand strain has the NATIONAL and CANADIAN reputation of being the finest yet produced. Single varieties in eight named colors, $2.50 per 100; $20 per 1000. Double white, red and lilac, $4 per 100; $35 per 1000. Extra plants added to help pay expressage. Admns and U. S. express
JOHN F. RUPP, Shiremanstown, Pa.
Chinese Primrose Specialist.

FAXON'S "WHITE HOUSE" PANSIES.
The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.
In Trade Packets at $1.00 each.
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Correspondence solicited.

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PALM Seed. FRESH ON HAND

For AUGUST DELIVERY.	Per 100	1000	3000
Kentia Belmoreana	$1.25	$10.00	$27.50
" Forsteriana	1.25	8.50	22.50
Pandanus utilis	1.50	12.50	35.00

Above prices are for selected seeds only, of highest germinating power.
J. L. SCHILLER, Rutherford, N. J.

Send orders QUICK.
Fresh Kentia Belmoreana or Forsteriana seed, post or exp. paid, per 1000 $6.50.
Fresh Corypha australis or Seaforthia elegans seed, delivery included, per 1000 $2.75. Seed the *finest*. Samples sent on application. Send for our NEW Price Lists.
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SEEDS
PHILADELPHIA.
Wholesale Price List for Florists and Market Gardeners

W. and D's. CELEBRATED "Sure Crop" Mushroom Spawn. SPECIAL quotations to LARGE buyers.
ALL KINDS OF BULBS—
Lilium Harrisii, Freesias, Roman Hyacinths, Narcissus, etc., etc. Special prices on application.
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Madison, N. J., L. A. Noe, three rose houses.

Orange, N. J., G. Herman, six commercial houses, each 20x150.

Milford, Mass., Miss E. Taylor, one greenhouse.

Roxbury, Mass., H. Carroll, one greenhouse, 10x50.

Pittsburg, Pa., H. C. Frick, one conservatory, cost $12,000.

Arlington, Mass., D. Duncan, one forcing house, 18x150.

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Newark, N. J., E. C. Vick, one commercial house, 20x50.

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AND

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PRICE $2.00.

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of the following leading varieties:
Alaska, Della Fox, Eldorado, McGowan, Minnie Cook, Portia, Tidal Wave and William Scott, $6.00 per 100.
Harrison's White, Mayor Pingree, Lily Dean, Mrs. H. Duhme, Mrs. Geo. M. Bradt, Maud Dean and Morello, $12.00 per 100.

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CLEAN, HEALTHY STOCK.

Brides, Bridesmaid, Perles Kaiserin, La France, 2½-in., $4.00; 3½ in., $9.00 per 100.
Merme's, Mme. Hoste, Meteors, 2½ in., $3; 4 in., $7.
American Beauties, 2½ in., $5; 3 in., $7; 3½ in., $10

GREENHOUSES, WESTERN SPRINGS, ILL. VAUGHAN'S SEED STORE, 84 & 86 RANDOLPH STREET. CHICAGO.

ORNAMENTAL TREES AND SHRUBS.

Roses, Bulbs and Hardy Perennials

In Large Assortment and of Superior Quality.

Fully believe that we can show more Ornamental Trees and Shrubs, and a larger, finer block of Hardy Roses, Hybrid Perpetual Moss and Climbers of the leading popular varieties including the famous Crimson Rambler than can be seen elsewhere. We have 32 greenhouses, several of them devoted to Palms, Cycas, Ficus and Araucaria Excelsa. Personal inspection and correspondence solicited. Catalogue free.

THE STORRS & HARRISON CO., Box 5 Painesville, O.

20,000 FEET—out-of-door growing—FICUS.

Any size up to 4 feet, at $25.00 for 100 feet; $225.00 for 1000 feet.

Measurement from top of pot to crown of stem (not top leaf). Must be sold before housing time.

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	PER 100
STANDARD VARIETIES, 1st size,	$7.00
" " 2nd size,	5.00
MRS. C. H. DUHME,	10.00
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F. DORNER & SONS CO., LA FAYETTE, IND.

H. WEBER & SONS, CARNATIONS,

OAKLAND, MD.

ROSES. Extra fine stock, clean and healthy.

BRIDE and BRIDESMAID, from 2½-inch pots, $20.00 per 1000; $2.50 per 100.
BRIDE and BRIDESMAID, from 3½-inch pots, $35.00 per 1000; $4.00 per 100.
GERANIUMS, 3 inch, $4.00 per 100.
CUT SMILAX, 12 cents per string.
TERMS CASH.

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STILL HAVE SOME FINE

Perles, Kaiserins, and Brides.

Strong plants. Will close out cheap.

EXTRA STRONG 2-INCH SMILAX, at $15 per thousand.

GEO. A. KUHL, Pekin, Ill.

Fine Plants

AM. BEAUTY,	2 1-2 inch,	$5.00 per 100
" "	3 inch,	7.00 "
METEOR,	2 1-2 inch,	3.50 "
"	3 inch,	6.00 "

ORDER QUICKLY.

BROWN & CANFIELD, Springfield, Ill.

GOOD ROSES CHEAP.

	Per 100
2000 METEORS, 3-inch	$2.50
1500 MAIDS, 3-inch	3.00
1000 BRIDES, 3-inch	3.00
600 PERLES, 3-inch	3.50

First-class plants for immediate benching.

5000 Choice Field-Grown CARNATIONS, standard varieties. Write for prices.

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ROSES for FORCING.

750 BRIDES, 600 MAIDS, 750 METEORS, 125 PERLES, in 3½-in. pots at $3.50 per 100.

Elegant clean stock. If you are in want of any speak quick.

A. G. PRINCE & CO., 88 WABASH AVE., CHICAGO.

ROSES for FORCING

About 300 PERLES, from 4-inch pots left. Can now be had at a bargain.

VIOLETS for immediate planting, Lady H. Campbell. No disease, fine stock, 2½-inch pots.

100 SWAINSONA, 3-inch pots. Write for prices.

CRABB & HUNTER, Grand Rapids, Mich.

Mention American Florist.

Wheeling, W. Va.

Pleasant Valley, a suburb of Wheeling, within a stone's throw of the Wheeling Park and reached by the Elm Grove line, is all that its name implies. Bordered on the west side by a lofty mountain, whose summit, to express it poetically "touches the horizon" and on the east by a rolling field dotted here and there with shrubs and trees, it presents an ideal place to roam about and to reflect upon the charms of nature. It is here, where Mr. Max Hess, former superintendent of the Wheeling Park, located his greenhouse plant about a year ago. Mr. Hess has acquired a tract of 75 acres of valuable ground, most of which has been improved and made suitable for the cultivation of fruit, ornamental trees and nursery stock in general, it being Mr. Hess' intention to embark in the nursery as well as in the flower business.

Four greenhouses, each covering 100x20, were built last fall and an additional house to cover 100x22 is now under way. All told, Mr. Hess will have a total of over 10,000 feet of glass. I may mention in passing that in point of construction and general adaptability, Mr. Hess' plant is decidedly of the most approved pattern, all modern conveniences, such as ventilating apparatus, concrete walks, neat and substantial benches, etc., having been adapted and applied to every house. In addition to the houses, and immediately adjoining them, Mr. Hess has built a fine office, which he has equipped and furnished with a view to comfort and convenience. His imposing residence, surrounded by a beautiful lawn and lofty shade trees, is by no means the least attractive feature about the place. The flower beds, ornamenting the lawn, are especially attractive and as I beheld them an idea suggested itself to my mind that if the florists throughout the country would realize the utility of what the sociologists call "the law of example" and make their own grounds about their greenhouses, however limited, inviting and attractive, a greater demand for bedding plants, bulbs and the services of the landscape gardener would follow as a matter of course. The old adage that a thing to be admired is to be seen holds true in this as well as in any other case.

Huscroft Bros. have commenced building four good sized houses for roses and carnations. They report a fair trade in funeral work and are encouraged with the general business outlook.

Zane & Son have overhauled their entire plant, making many substantial improvements and have added a 70 foot house.

Florist Hellstern, whose houses were damaged by fire last winter, has rebuilt and is now once again in shape to do business. Florist Handle does no longer handle flowers. He has closed his store and is out of business. HOMO.

Do YOU WANT the census statistics regarding the florist, nursery and seed trades? You will find them in our trade directory and reference book for 1896. Price $2.00.

CARNOTS.

375 fine plants, 3-inch pots; will sell cheap, or exchange for good Meteors.

HOPP & LEMKE, Paul P. O., Mich.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

ROSES For Immediate Planting.

SOUVENIR DU PRESIDENT CARNOT and AMERICAN BEAUTY
from 3 and 4-inch pots.

Extra fine stock also BRIDE, BRIDESMAID, PERLE, AUGUSTA VICTORIA, METEOR, MRS. MORGAN, NIPHETOS, etc., etc.

All in good, clean stock. For Special Prices for cash, write to

JOHN N. MAY, Summit, New Jersey.

My new crop of MIGNONETTE SEED is now ready, 25c per pkt.; $3.00 per oz.

10,000 FIRST QUALITY FORCING ROSES.

Fully equal to those sent out the last four years, first-class in every respect. Only selected growth from flowering shoots used in propagating.

*WOOTTON,	LA FRANCE,	AM. BEAUTY,	BELLE SIEBRECHT,
METEOR,	BRIDESMAID,	KAISERIN A. V.,	SUNSET,
*BON SILENE,	*SAFRANO,	PERLE,	*GONTIER,
*MME. HOSTE,	*BRIDE,	*MERMET.	

3 inch pots, $5 00 per 100. *4-inch pots, $8.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

HERR'S PANSIES ARE THE BEST.

SEED, $1.25 per 1-4 ounce.
PLANTS, $5.00 per 1000; 75c. per 100; 2,500 for $10.00.

ALBERT M. HERR, LANCASTER, PA.

Stocky, Field-Grown CARNATIONS.

New and Standard varieties, $5.00 per 100 and upward.

GEO. HANCOCK & SON, Grand Haven, Mich.

8000 CARNATION PLANTS. 8000

As fine as can be grown anywhere, 4 and 6 cents each according to size and variety. Honest samples at same prices.

VARIETIES—DIAZ ALBERTINI, SCOTT, DAYBREAK, SILVER SPRAY, METEOR, PORTIA, GARFIELD, GRACE WILDER, BUTTERCUP, TIDAL WAVE.

Also 2000 fine MARIE LOUISE VIOLETS, and 500 VINCAS, field-grown, variegated and green.

FRANK BERRY, Fairview Greenhouses, Stillwater, Minn.

PRIMULA CHINENSIS, 2-inch pots .... $2.50 per 100, $20.00 per 1000

PRIMULA, transplanted seedlings, from flats $1.50 per 100.

FERNS, 3-inch pots. $5.00 per 100

CARNATIONS. Field grown Lizzie McGowan and Scott. Write for prices.

VIOLETS. Marie Louise, strong field grown. Write for prices.

HYDRANGEA HORTENSIS, rooted cuttings.................. $2 00 per 100

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ABUTILON Souvenir de Bonn and Golden Fleece...$3 00 per 100

GERANIUMS. Rooted cuttings.. .$1.50 per 100, $12 00 per 1000

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Lincoln and Bertean Avenues, CHICAGO.

NEW CROP SEED NOW READY OF Zirngiebel's Standard Pansies.

Silver Medal in Boston, and First Prizes everywhere.

"HUGE JEWELS OF VELVET AND GOLD." —*Boston Transcript.*

GIANT MARKET and GIANT FANCY Strains, in Trade Packets at One Dollar each.

DENYS ZIRNGIEBEL, Needham, Mass.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

PANSY SEED.

	Per Oz.	Per Lb.
Mitting's Giant Mixture...	$4 00	$40.00
Fiery Faces Mixture.....	4 00	50.00
Giant German Mixture	2.50	20.00
Small Fancy, in 100 colors................	3.00	30.00

1,000,000 Pansy Plants ready September.

PANSY PLANTS.

NOW READY, from the finest strain, from expert pansy growers, 75 cts. per 100; $4.00 per 1000.

COLEUS.

2 inch, 20 varieties, named . . . . . . $1.75 per 100
2-inch, 20 varieties, not named . . . . $1-50 per 100

These are fine plants; will be good for stock. They are up to date varieties.

THE MORRIS FLORAL CO., Morris, Ill.
Established 1893. 20,000 sq. ft. glass. Incorporated 1897.

PANSIES.

The JENNINGS STRAIN of finest American grown Pansy seed. New crop now ready. Grown from finest selected stock only. All large flowering in great variety, of most beautiful colors.

The following complimentary letter is one out of hundreds received:

BUFFALO, N. Y., June 8th, 1897.

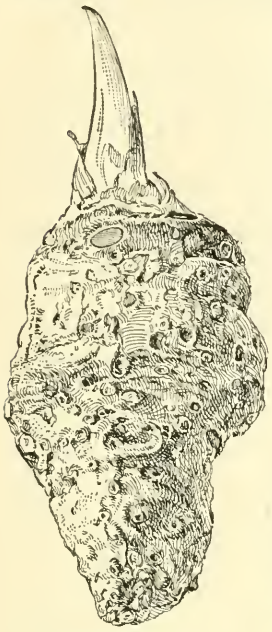
MR. E. B. JENNINGS. Dear Sir:—The Pansy Seed supplied by you last August produced the finest lot of flowers I have ever seen. They were uniformly first-class. Send me one ounce of your best mixed as soon as ready. Respectfully, WM. SCOTT.

Finest mixed, per pkt of 2500 seeds, $1.00; ½ oz $3.00; 1 oz. $6.00; 3 ozs. $15.00. Yellow, black, white, blue, in separate colors, $1.00 per pkt.; half pkt. 50 cts.

Cash with order. Lock Box 254.
E. B. JENNINGS, Southport, Conn.
Grower of the finest Pansies.

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Vaughan's Imported FORCING BULBS FOR THE TRADE.



We are, as usual, prepared to care for orders in this line promptly, with high quality stock and at fair prices, with duty added.

AT NEW YORK AND CHICAGO

we shall be glad to meet Florists coming from the Convention.

Early Forcing Bulbs are on hand.

PANSY SEEDS for Florists.

Vaughan's "INTERNATIONAL," - - - per oz., $10.00
Vaughan's "GIANT MIXED," - - - - - per oz., 5.00



These are strains with nine years **record** and with a **pedigree.** We have scores of testimonials. Ask the best pansy grower of your acquaintance for his opinion of our strains of the above mixtures. The new seed is now ready.

California Grown

CALLAS

Carefully cured, with sound center shoots, now ready for shipment from our New York or Chicago stores.

SIZES and PRICE:
1¼ to 1½-inch, $5.50 per 100
1½ to 1¾-inch, $7.50 per 100
2 to 2½-inch, $10.00 per 100

VAUGHAN'S SEED STORE, 14 Barclay St., New York.

Chicago, 84 and 86 Randolph and 208 West Randolph St.

The Cottage Gardens,

QUEENS, L. I.

SPECIALTIES IN

CARNATIONS, CHRYSANTHEMUMS, CANNAS, GERANIUMS, DAHLIAS.

Send for our Price List.....

E. G. HILL & CO.,

Wholesale Florists

RICHMOND, INDIANA.

NEW CANNAS

LOGAN BERRIES

SPIRÆA ANTHONY WATERER.

FOR FALL DELIVERY.

Send for Price List later.

THE CONARD & JONES CO.,
WEST GROVE, PA.

CHOICE STOCK

CYPERUS ALTERNIFOLIUS, 2½-inch pots, ready to shift.

GREVILLEA ROBUSTA, 2½-in. pots, ready to shift, 40c per doz; $2.50 per 100.

SMILAX, 3½-inch pots extra strong.

ASPARAGUS TENUISSIMUS, 3½-in pots, 50c per doz.; $3.50 per 100.

Also several thousand CHRYSANTHEMUMS, nice soft healthy stock, 2-inch pots.

Our selection from good commercial sorts, $2 00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

ORCHIDS the Finest Stock in the World. ORCHIDS For Florists.

SANDER, ST. ALBANS, ENGLAND, and BRUGES, BELGIUM.

AGENT:
A. DIMMOCK, 114 Chambers St., N. Y. City.

Single Violets.

	Per Doz.	Per 100
Princess de Galles	$1.00	$7.00
Princess Beatrice (new)	1.00	7.00
Admiral Avellan (new)	1.00	7.00
Luxonne	.75	5.00
Petite Blue	.75	5.00

IMPORTANT NOTICE:—All plants are healthy, not diseased nor degenerated; each kind true to name. All stock grown in cold frames without artificial heat of any kind.

SINGLE VIOLETS MY SPECIALTY.

All good kinds furnished on application.

FRANCOIS SUPIOT,

57th St. & Lancaster Ave., PHILADELPHIA

San Francisco.

TRADE PICKING UP—CONDITION OF THE FLOWER MARKET.—SHORT SUPPLY OF PALMS—MANY HAVE GOLD FEVER.—CROWDS VISIT CONSERVATORIES—COMPETITION BY CHINESE GROWERS—VARIOUS ITEMS.

Trade has picked up a little during the week much to the satisfaction of all. Asters are coming in more freely now than lately and are selling very well. White asters sell much better than any other color, although Semple's pink and lavender are also in much demand. They are bringing about 15 cents per dozen, which is considered a fairly good price. Many short stemmed asters are in the market, but there is practically no demand for them whatever.

Carnations also have been called for more frequently than of late and selling fairly well considering the season. Plenty of Portias are to be had, also Scotts and whites. Daybreak is rather scarce and of poor quality. Portia will not be so plentiful for a year or two as it has been this season, as many of the large growers have discarded it completely, and have planted in its place Scott and Daybreak. There is quite a lot of amaryllis Belladonna, being sent to this market this season, in fact much more than can be disposed of. Plenty of lilies of all colors are also to be had at prices that hardly pay for the first cost of the bulbs. The Japanese growers are bringing in some extra fine stock of this flower.

In roses some very good stock is beginning to come in from some of the growers. Last week some extra good roses sold for 35 cents per dozen, but in most cases the average stock brings about 15 cents. The quality of the roses is improving every day and we will undoubtedly have some extra fine stock in the market in the near future.

Sweet peas are still hanging on and are yet to be seen in the florists' windows. They are not very good now as the season is so far advanced, and in many cases have lost their original color and form. Many of the retail florists are now looking around the different establishments for their stock of palms and decorative plants for the coming season. There seems to be a short supply of palms in salable sizes, and the fortunate growers that have a good stock are holding them at a high figure. Chrysanthemums are doing splendidly and promise well for a good supply of blooms.

Mr. Sidney Clack, who has been spending some time in the northwest has returned to Menlo Park.

Mrs. L. Pfunder and family of Portland, Ore., who have been spending several weeks in this state, have returned home.

F. G. Krauss was representing the Sunset Co. in Menlo Park last week.

Mr. John Gilmore, who has been foreman for E. W. McLellan for some time past, has resigned his position to accept a similar one with Mr. J. Pollet.

Not since the days of '49 has this city been so agitated over gold discoveries as it is at the present time. Thos. H. Stevenson, of 11 Powell street, caught the fever and sailed for Klondyke during the week. The business will be run as formerly under the management of Mrs. Stevenson.

Great crowds of people visit the conservatories of Golden Gate Park every Sunday and Supt. McLaren certainly has a very fine display of flowers and rare plants all looking in excellent condition.

Mr. John Carbone of West Berkeley has

BOUGAINVILLEAS.

GLABRA (?) AND GLABRA SANDERIANA.

These grand plants are bound to become **Leading Decorative Subjects.** The beauty and durability of their bloom (bracts) combined with their protracted flowering period—extending almost through the Florists' Season—make them specially interesting and attractive objects. The freedom and durableness of their bloom with quick recurrence of same may be truthfully described as wonderful. Our plants in past two seasons have flowered almost **continually** from Christmas to July, **entire heads** being available for late June Decorations.

Both varieties are strong, rapid growers, **very easily** handled, not subject to any insect pests and not at all particular as to temperature or treatment.

Every florist will want them, if for Easter plants only, as the ease and certainty with which they may be flowered, coupled with their other qualities, leave few rivals for that season that can be handled with so much satisfaction and profit.

For some opinions of the merits of these plants see

The American Florist, Nov. 3, 1894. Article by A. Dimmock.
" " " *April 27, 1895. Article by J. B. Keller.*
" " " *April 4, 1896. Illustration and Notes.*
" " " *June 19, 1897. Miscel. Notes, Wm. Scott.*
" " " *July 10, 1897. Article by P. J. Berckmans.*

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5-in. pots . . . . . 75 cts. each, 8 00 "
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3-in. pots, strong and bushy . . . . . $15.00 per 100
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Grand lot of beautiful plants.
6 in. pots, 20 to 24 inches high . . . . $50.00 per 100
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ARAUCARIA EXCELSA
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PERLE, METEOR, BRIDE, LA FRANCE and **KAISERIN,** 3½-in. $6.00; 4-in. $7.00 per 100. **BRIDESMAID,** special prices for cash.
Special rates on quantities. **A. S. MacBEAN, Lakewood, N. J.**

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nearly finished getting his houses into shape for winter work. His stock is all in excellent shape and in the best condition possible. Brides, Maids and Testouts are the chief sorts planted. We also note some well grown plants of Beauty and Perle, all of which were making splendid growth.

Mr. James Forbes has returned to Portland, Ore., after a brief stay in this city. Mr. Forbes has sold out his interests in the firm of Morten & Forbes to Mr. Geo. Ernst formerly of Pelicano & Co. Mr. Forbes intends to open a store in Portland during the winter.

The representative of the Bell Conservatory Co. of Sacramento was a visitor during the week.

Looking through the establishments of the various Chinese growers we find that they have, as usual, quite a large quantity of chrysanthemums and violets growing, all of which will be brought into direct competition with the stock of the legitimate growers this coming season. In fact they seem to increase in numbers every year, and raising as they do a cheap grade of stock they put it on the market at almost any price, which causes a glut of poor flowers, proving very detrimental to retail florists and growers alike.

Mr. Kenneth S. Murray, foreman at M. Lynch's nurseries, has been under the weather lately but is able to be about again.

Mr. T. H. Douglas and wife, after a very pleasant stay among us have left for their home in Waukegan, Ill.

Mr. J. M. Kimberlin and family have been spending a few weeks at the seaside.

Mr. Sidney Clack, of Menlo Park, has gone on a business trip through Oregon and Washington.

Harry Papworth, of New Orleans, has been spending a few weeks in this state.

S. D. Woodruff, the seed grower, of Orange, Conn., has been with us looking over some of our seed farms.

Mr. Peter Rock has resigned his position in Golden Gate Park and is at present staying in this city.

Mr. Jas. Massen, who has been foreman of Sidney Clack's greenhouses for several years, has resigned. Jim was a genial fellow and will be missed by his friends in Menlo Park.

Mr. E. H. Bourguignon and family, of San Jose, have been spending the summer at Capitola.

Angelo Baldochi, of Podesta & Co., has returned from a vacation of several weeks at Santa Cruz.

The Japanese chrysanthemum growers, Domoto Bros., of Fruitvale, have completed the planting of their stock. It is in the pink of condition and they will undoubtedly hold up their reputation of former years as one of our leading growers.

Paul W. A. Grallert, our carnation specialist, is bringing in some very fancy carnations from his nursery at Colma. Mr. Grallert gives all the new varieties a very thorough trial every season and his stock always brings fancy prices.

METEOR.



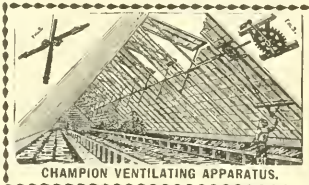
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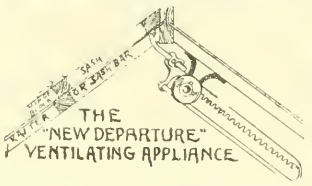
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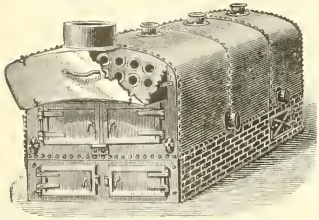
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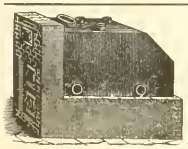
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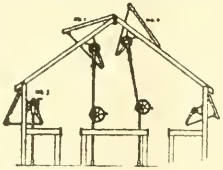
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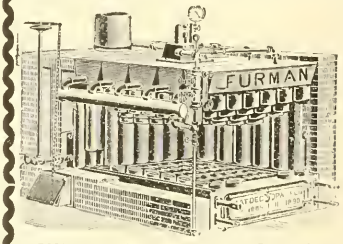
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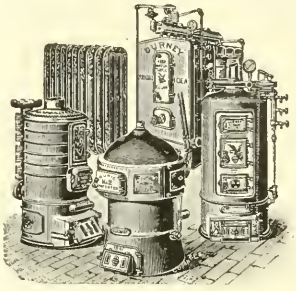
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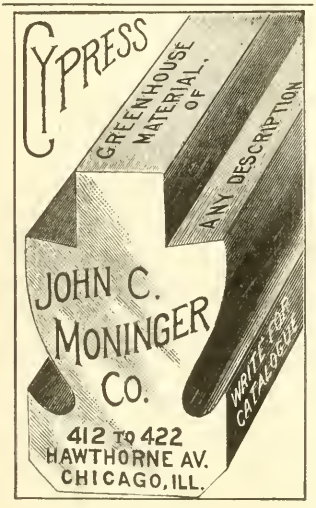
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BETHLEHEM, PA.—Mr. Geo. Charman reports a fair trade, considering the season of the year. He was especially busy during the past week on funeral work.

SYRACUSE, N. Y.—Gustav Bartholme is building two new even span houses 18x100 and one 19x100. He will also add two more lean-to houses 7x100. These additions will give him a total of 7,000 feet of glass.



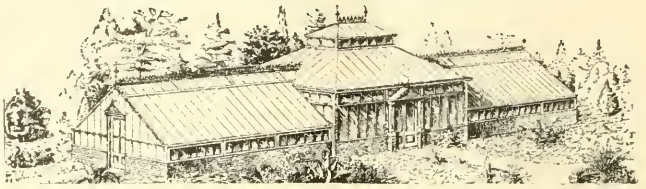
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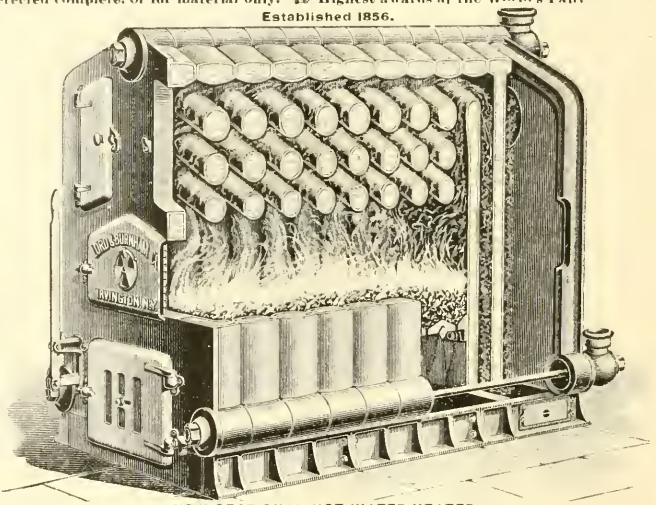
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THE AMERICAN FLORIST



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Vol. XIII. **CHICAGO AND NEW YORK, AUGUST 28, 1897.** **No. 482**

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—ADAM GRAHAM, Cleveland, O., president; FARQUHAR MACRAE, Providence, R. I., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer.

OFFICERS ELECT (To be installed Jan. 1, 1898)—Wm. F. Gude, Washington, D. C., president; A. Donaghue, Omaha, Neb., vice-president; secretary and treasurer as before.

The fourteenth annual meeting will be held at Omaha, Neb., August, 1898.

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THE premium list has been issued for the second annual chrysanthemum show of the Waco (Texas) Floral Society, to be held November 10 to 12, 1897. Copies may be had on application to the secretary, Mrs. M. B. Davis, Waco, Texas.

DO YOU WANT a list of the cemeteries of the country that use trees, shrubs and plants largely in the ornamentation of their grounds and that are apt to be large buyers of these and other horticultural supplies? You will find such a list in our trade directory and reference book. Price $2.00.

THE PROVIDENCE CONVENTION.

The Excursion to Newport.

Never before on a similar occasion has promptness been so noticeable as on Friday morning. Nine o'clock was the hour announced for the departure of the steamer Day Star and at nine o'clock everybody was on board ready to start, with the exception of a special delegation from Boston which was due a few minutes past 9. These arrived on time, also, and at 9:15 the big steamer swung off bearing fully 750 excursionists. The weather was delightful and the charming scenery of Narragansett Bay was enjoyed to the utmost. The Providence boys had not wearied in their efforts to entertain and were still at it as fresh and enthusiastic as on the opening day of the convention four days before. There was an abundance of refreshments of all kinds. The boat was finely decorated with festoons of asparagus, gladioluses and asters and the Hedley-Livsey Band furnished excellent music without stint.

On reaching the dock at Newport after a delightful two hour's sail the wearers of the scarlet badges of the Florists', Gardeners' and Associates' Club of Newport were seen flitting hither and thither among an apparently endless line of barges and vehicles of every description, and as the big concourse poured out upon them from the boat it seemed as though they would overwhelm them but in due time the last visitor was comfortably packed away and the procession was soon in line for a ride through and around the city.

The route led to the Ocean Drive, twelve miles in length, with its panoramic views of palatial summer homes, beautiful villas and spacious surroundings. The charming loveliness of the private estates of the Vanderbilts, Belmont, Pierpont Morgan, Winans and other wealthy owners was a revelation to those who beheld them for the first time. Passing through the grounds of Mr. Jas. J. Van Alen, the procession wended its way through the magnificent estate of U. S. Senator George Peabody Wetmore, and a hasty view was obtained of the lawns and greenhouses there, which are said to be among the finest in the land. At a point on the shore drive, known as Indian Spring, the visitors and the local club were photographed in a group.

The afternoon was spent at Easton's Beach, where the visitors were entertained with a Rhode Island clam bake under a mammoth tent. The National colors were conspicuously displayed, and the table decorations were beautiful. Before dinner was served, President A. K. McMahon, of the Florists', Gardeners' and Associates' Club of Newport, extended a cordial welcome to the visitors. He said that the local club had organized for the purpose of receiving and entertaining the S. A. F. on this, its annual outing. They had provided the carriage ride in order that their guests might see some of the beautiful places in the city but, in order to realize what Newport is, it would be necessary to spend at least a week there. They had had only a glimpse at the beauties of the place. They were now surrounded not by woods and sand-hills but by the broad ocean and by one of the finest beaches in the country. Mr. McMahon went on to say that the company had gathered to partake of the hospitality of the club, and he hoped they would enjoy every moment of their time and that the pleasant recollections of their visit would induce them later to come back to Newport again.

When the menu had been disposed of the speechmaking was proceeded with. President McMahon introduced Hon. P. Boyle, the Mayor of Newport, who was greeted with a round of cheers. Mounting a bench he said that he hardly knew what to say other than to give expression to the pleasure and delight of this meeting. He would have been very much gratified to have met them at the gates of the city and welcomed them and assured them further that the people of Newport were very proud of the opportunity to show their appreciation of the members of the profession which has done so much to beautify our homes and their surroundings. In closing he said I am, like all Newporters, proud of our city but also very modest and therefore I shall not attempt to blow any horn for Newport, particularly as you have, through the courtesy of your brother members, seen some of its attractiveness. Being reminded by our chairman that remarks must be brief, I will close by extending to you again the freedom of the city and expressing the hope that you will come back to us. May you when you depart from here carry with you pleasant recollections of your visit.

Hon. C. W. Hoitt, being called upon to respond on behalf of the S. A. F., said: "Mr. Mayor, as you have extended the freedom of the city of Newport to the Society of American Florists, I can assure you, sir, that they accept it. As the chairman of your club was pleased to urge us to stay a week, I can simply say to him that we accept that, too.

"Now, Mr. Mayor, throwing aside all levity, I am pleased to stand here as the representative of the Society of American Florists and accept your kind welcome. I can assure you, sir, that our trip thus far has been a most enjoyable one. Nothing has been left undone that could have assisted in making this, for us, a most pleasant and enjoyable day. And I can assure you, sir, that this society will anticipate with pleasure the invitation you have so generously proposed to make, to hold one of their sessions here. On behalf

of the Society of American Florists I thank you, each and all of you who have so liberally contributed to our enjoyment here to day "

Mr. John P. Sanborn, of Newport, being called upon, after a cordial greeting, responded: Mr. Chairman, ladies and gentlemen: When I sat down here, at this table, the chairman came along and remarked to me that I would be expected to say a few words to you. The announcement gave me a feeling something like that of the fellow who was a out attending the funeral of his wife and was told that he must ride in the carriage with his mother-in-law. He replied: "If you say so I will do it, but it will spoil all my pleasure for the day." I have been reminded of what I heard a short time ago in regard to a certain congressman from the far west. He had never seen salt water, but by some means had been appointed by the speaker of the house on the Naval Committee. He was present at the launching of one of our great cruisers and, while on the vessel, sought to impress his admiring friends with his knowledge of nautical matters. They listened to him with wonder because they knew he had acquired all this knowledge since he had entered Congress. Passing along the deck he came to a hatch-way that happened to be open. He looked down into it, then threw up his hands and exclaimed, "Why, she's hollow!" Now it is gratifying for me to think that none of you here to-day are in that condition. If you are it is your own fault, for we certainly have tried to fill you up.

The speaker reiterated the good wishes expressed by the mayor, complimented the ladies and promised all the encouragement in the way of funds, etc., necessary to secure a convention at Newport equally as successful as that just finished in Providence.

President McMahon announced as the toast of the day, "The Retiring President of the Society of American Florists—Mr. Adam Graham." President Graham responded. He said: "When you did me the undeserved, unexpected and unsolicited honor of electing me your president I accepted the position, as many of you know, with great reluctance—not that I did not appreciate the honor, but because I recognized that it was undeserved and I doubted my ability to perform the duties of the position with credit and satisfaction to the organization. I recognized that you had in your ranks dozens of men who were better entitled to the honor and better able to serve the best interests of your society than was your humble servant. But you saw fit to differ with me in that opinion and by your partiality you crowned my head with the laurels of the society as president. At this time, when my duties have nearly ended and when within a few brief months my successor will have assumed the reins of office, I realize more than ever my indebtedness to these leaders in the profession for the generous support and consideration which I have received from them. The result has been that my pathway, instead of being filled with thorns, has been strewn with roses which have diffused their fragrance throughout the whole of my official career. Where I expected to meet difficulties they have been removed; everything has moved along harmoniously, and the result has been one of the best conventions we have had in years.

"Our friends in Providence have treated us royally. (The speaker was here interrupted by a round of cheers for Providence.) No delegate who has enjoyed the hospitality of that city during the week will go away without feeling satisfied and gratified that he had the good judgment to attend the meeting there. The work accomplished by our convention has been equal to that of many of the conventions within the last five or six years. I believe the members of the society have given closer attention to the business for which they met than was the case at some of our conventions; and for this I desire to thank them. To our friends of Newport who have crowned a week of entertainment with this royal reception I do not know that I can say anything more than that they have done a thousand-fold more than had been expected even of the city of Newport, which is saying a great deal (Applause.) In conclusion, I bespeak from you for my successor, Mr. Gude, the same kindly consideration and generous support which I have received at your hands. When you go to Omaha, to the prairies of the west, where you will meet the young blood of the florist profession, he will be a fitting man to act as president of the Society of American Florists. The younger element of the society is coming to the front and I think that we, the older members, should give it an opportunity and see what it can do in the wild and woolly west."

President-elect Wm. F. Gude, of the S. A. F., was here called upon. He did not think it would be proper for him to talk about what he was going to do for the benefit of the society or about how well he would succeed. The members of the S. A. F. could best judge of that twelve months hence, when they met at Omaha. The taking of the convention so far west with a young and inexperienced man like himself as president was quite an experiment, but it was worth trying. He continued: I think that any man, old or young, would esteem it an honor to be the president of such an intelligent, earnest, representative body as this. No more honorable body of business men can be found anywhere, and I am proud to be the head of such a grand organization. I hope that next year, when the society meets west of the Mississippi river, you will all encourage your young president by your presence on that occasion and by your best efforts to make the future of the society an assured success. Mr. Gude then added that he was not one of those who failed to see any benefit from attending an annual meeting of the society. He thought the members derived a great deal of good from their presence at the meetings. He apologized for the brevity of his remarks and concluded by thanking the members for his election and assuring them, one and all, that he would exert himself to the utmost of his ability to see that the convention at Omaha was a success.

President McMahon took occasion at this point to say that the credit for the reception given the visitors belonged not altogether to the men but to the ladies of Newport, and that the Ladies' Reception Committee was entitled to a large portion of it. Three cheers and a tiger were promptly given for the ladies.

The next feature was the presentation of a handsome gold watch, as a testimonial from many friends in the society to President Graham. Mr. Robert Craig, of Philadelphia, who was called upon as the spokesman, said: "Before I perform this pleasant duty, you will pardon me if I give utterance to a few thoughts that have been inspired since I came into this beautiful city of Newport. The first thought that seeks expression by me is one of gratitude to these gentlemen who have exerted themselves so grandly on our behalf. I can appreciate the work they have done and the details that have been so thoroughly attended to. I want to thank them and to say that these attentions are as grateful to our hearts as is the falling dew to the flowers of the field. I want to say to you also that I am filled with admiration at the advance that gardening is making here in this beautiful place. It was said by Lord Bacon that men begin to build stately before they begin to garden finely, because gardening is the finer art. So it is. I say to you, private gardeners of Newport, that there is a greater future for gardening than there is for architecture, that there is a greater future for gardening than there is for any of the fine arts; and I say to you that it rests upon you largely to live up to your opportunities. Napoleon said that the army that had the heaviest artillery was likely to be the successful one. It so happens that much of the wealth of America is centered in Newport; and, in proportion as you, private gardeners, do your duty, so will that wealth be poured out for the elevation of gardening.

"Now I will perform the pleasant part of my duty. Thirty-five years ago Adam Graham and I were boys together in Philadelphia, and it so happened that we both became interested in gardening. He went to the west and I stayed in the so-called slow city of Philadelphia. You can imagine, ladies and gentlemen, what a pleasant thing it is for me to-day that it should devolve upon me to hand to Mr. Graham, after all these years, this token of regard and esteem from the members of this association. We all know how earnestly Mr. Graham has worked; we all know how he has cast aside all selfishness and done all that in his power lay to advance the interests of this society. And this token comes to him from every member of this society, for every member is his friend." (Applause.)

President Graham here rose to respond but was compelled to wait several minutes while the entire assemblage joined in the refrain "For he's a jolly good fellow," which was followed by a tumult of cheers for the recipient of the gift. Mr. Graham then said: "My dear friends, I feel myself totally incapable of giving adequate expression to my appreciation of this generous token of your regard. Your beautiful present doubtless has considerable intrinsic value, but I would not belittle or dwarf the sentiment which has inspired it by any consideration such as that. It is the sentiment which it expresses that I prize, not its cost. If it comes from the hearts of the members of this society it will be worn near my heart and valued as my greatest treasure. If in my future life greater prosperity awaits me than I have yet known or expect to know, I shall never be so rich nor so proud that I shall fail to value this token of your love and esteem. If adversity overtakes me I shall never be so poor that I will allow myself to part with this dear token of your regard. And when I am called away my children, if they are worthy of their father, will not part with it either. My friends, your kindness and consideration for me have been far beyond my deserts. I can only thank you." (Applause.)

A handsome gold brooch with diamond setting was then presented to Mrs. Graham.

The shooting and bowling prizes were presented to the winners and a brief



WILLIAM F. GUDE.

President-elect Society of American Florists and Ornamental Horticulturists.

speech of acceptance was made by each recipient.

With another round of cheers for their hosts the assemblage dispersed to spend the remaining time in drives about beautiful Newport, walks on the beaches and dips in the surf.

President-Elect Wm. F. Gude.

We present herewith a portrait of the president-elect of the Society of American Florists, Mr. William F. Gude, Washington, D. C. Mr. Gude is the youngest man ever elected to the office, being now only in his 30th year.

He was born in Lynchburg, Va., January 4, 1868 and is of German parentage. His parents removed to Maryland in 1870 and having lost all their possessions during the war were not in circumstances to give their sons many advantages. The subject of this sketch started to work on a farm at the early age of 7 years, attending a country school three miles distant during winter when work permitted. At the age of 10 years he entered the employ of N. Studer, a florist at Anacostia, D. C., where he worked two years for the privilege of attending school for seven months in the year, working mornings and nights during the seven months. At the age of 12 years he received $8 a month, working in and about the greenhouses from daybreak till dark, sometimes till late at night.

When 18 years of age by working every other night he managed to take a night course in the Spencerian Business College of Washington and graduated with high honors May 30, 1888. July 1, 1889 he left the employ of Mr. Studer, having served him in every capacity, and August 5, same year he and his brother Adolphus established the firm of A. Gude & Bro. in Washington, with a small stand in the market and three greenhouses at Anacostia. Prosperity attended the venture, Mr. A. Gude growing the flowers and attending to the greenhouses and grounds and W. F. taking care of the selling of the product.

November 16, 1889 the young firm opened a store and for the first two years had rather discouraging experience. November 23, 1890 a cyclone blew an adjoining tall building over on to their store and others resulting in the loss of the fixtures and contents, the subject of this sketch barely escaping with his life. In this accident three persons were killed and two crippled for life. The firm then erected the building they now occupy, where they have had remarkable success in working up a fine business. In the meantime the greenhouses grew from the there small ones on a 2½-acre lot, to 90 000 feet of glass and 40 acres of land.

Though giving strict attention to every detail of his business Mr. Gude found time for the social side of life and is a member of the Masonic, Odd-Fellow and Elk fraternities. In Masonry he has reached high rank, being at present Capt. Gen. of DeMolay Mounted Commandery, and during the last presidential inauguration served with the rank of Colonel. He He is also a member of the Mystic Shrine as well as Knights Templar and was presented with a gold badge as chief officer of his Odd-Fellow Lodge in 1891. He was president of the Washington Florists' Club in 1892.

October 14, 1896 Mr. Gude was married, the bride being Miss Kathryne M. Loffler, daughter of a wealthy business man of Washington, and one of the wedding presents was a handsome new pressed brick 10-room house handsomely furnished, and located in the residence section of the city. On July 28 this year a bouncing baby boy arrived to enhance the happiness of the young couple.

Certainly fortune has been showering her best gifts on Mr. Gude and that he fully deserves them all who have met him will agree. He is too big hearted and broad minded to be spoiled by the smiles of fortune and to these qualities is undoubtedly due his great popularity.

In a personal letter he writes: "You may say that during 1898 I shall work just as hard for the S. A. F. as in my own business and I shall welcome suggestions from the members for advancing the best interests of the national society."

Echoes of Providence.

Not till you arrive home and ponder over the events and incidents of a convention do you realize how good a time, instructive as well as social, you have had. The social part of a convention it must be admitted by all is a very important part. There a e the good fellows, and perhaps their wives, whom you have not seen for many months, may be for years. There is the enthusiast whose delight it is to talk bowling and shooting, and the warm friend who in addition to social greetings has a few words of business on the side, and the earnest friend who likes you well but is not averse to giving a little sage advice. How forcibly we were often reminded of how idly good advice is taken by the inimitable and oft repeated recitation by Mr. Logan (before he lost his voice). You would almost think you heard the immortal bard himself repeating his immortal words:

> Oh gentle dames it gars me greet,
> To think how many counsels sweet,
> How many lengthened sage advices
> The husband frae the wife despises.

But to our tale. For the northern, western and southern members, there has never been a convention where the route to and fro has been more enjoyable. The beautiful Hudson or the grand Alleghenies never tire us. And then the unequalled bay with its wonderful sights. That ride to Providence on Monday night may have been enjoyable to some who had an outside birth with electric fan attachment, but to those not so privileged the berths were at least 50° too hot. I don't know where or when the New York men received thanks for the enjoyable supper given to all visiting florists on the Plymouth, but they richly deserve them. Although it took some time to find all hands and the writer believes he was the last to sit down it was handsomely done and enjoyed by all.

I did not intend to say much about the convention itself, for a full report of that has been given and more will come. The president's address was worthy of the man and reads even better than it sounded from the platform. The trade exhibit if not equal to some former exhibits in trade requisites, certainly surpassed most

former ones in display of fine commercial plants. The president's reception was carried out as it should be, and not as the one at Cleveland was. The distinguished man in evening dress and patent leather shoes looked all a president should, and as I am likely to see Mr. McKinley this week I will compare them. The Providence men worked hard to make us happy and they succeeded. They are not a noisy lot of men, on the contrary very modest, but they sacrificed all their time and energies to make our visit one to be long remembered. Mr. Macrae, Mr. Leach, S. J. Reuter, and many others, were looking out all the while to see what they could do next to make us smile, while Mr. A. M. Rennie was a host in himself when it came to sports, and who but knows with how much business ability and with what great success the trade exhibit was managed by Mr. Wm. E. Chappell.

That visit to Newport was a revelation to many a florist, even among the ranks of the veterans. Such an aggregation of wealth and the luxuries it affords is not to be seen in the same number of square miles elsewhere on this continent, and perhaps not elsewhere in the world. Before the clams were served we had a ride round, and to help digestion we had another journey among the modest cottages. If these same cottages were found most any other place we should be apt to call them palaces. It may seem strange to many but nevertheless a fact that in this spot where the richest of our people do congregate and where there is supposed to be a corresponding centre of culture and refined taste, the taste in art, especially that pertaining to landscape and garden ornamentation should be peculiarly English. The close and prim clipped privet hedge I don't admire. As a dividing line between neighbors it may be admissible, but when arrayed along the street front, behind a stone wall it is an unsightly affair and very un-American. Now we know where many of our wealthy people imbibed the love of privet hedges, and insist on having a hedge planted in front of their beautiful homes on our unequalled Delaware avenue. God forbid that the craze will be carried so far as to spoil it. I don't think it will.

With all these gentle criticisms Newport is a magnificent place, and worth many a hundred miles' journey to see. I heard some of my friends promise their wives a cottage there; of course it would not be so very expensive for us as we should be our own gardener. To mention even but a few of the beautiful places is too great a task. While riding on the superb roads we noticed the residence of W. K. Vanderbilt, Marietta Villa, the resting place of Mrs. Paran Stevens, the Cushman Villa, the magnificent home of T. M. Davis, the Van Alen Cottage, L. L. Lorillard's Vineland, and dozens and scores of wood and stone and marble palaces, not one a repetition of the other in architecture. I might have remembered more but the intense blue of the hydrangeas fairly dazzled my vision. I do regret that in our leisure hours we did not make a closer acquaintance with more of the able young men who have charge of these lovely places. I should say from the perfect finish and neatness of the ground and the flower gardening there must be an honest and good natured rivalry existing among the gardeners of Newport, for no place came under our eye that was not perfection in its keeping.

While waiting for the New York boat we were fortunate enough to have a hearty greeting with several of the Newport boys, but it was all too short. We had been sight seeing feasting and absorbing the eloquence of Messrs. Graham, May, Craig, Fancourt and others, so little time was left for an exchange of ideas with our hosts, but we did have the good fortune to meet Robert Laurie, gardener to Cornelius Vanderbilt, Herman Lips, gardener to T. M. Davis, Esq., one of the finest places; Robert Christie, the canna enthusiast; also Alex McLellan, Andrew Meikle, John Allan, Robert Hunnick, James McLeish, and several others whose names I wish I could remember. As we walked the gang plank we wished we could have taken them along.

Before retiring to our respective staterooms there was held an impromptu meeting at which many of the old heads expressed their great regret that a fuller opportunity had not occurred at which many would have liked to express their warmest thanks to the Providence and Newport men for the great welcome and kindness which they extended to all of us. It was moved, seconded and carried with a mighty shout that the heartiest thanks are due every florist and gardener of Providence and Newport for the unstinted and hearty welcome and pleasure they had given to every visiting florist, and many are the wishes that the day is not far distant when we shall see them again in their beautiful homes. We then retired to slumber calm, and dreamt of the babies 600 miles away. W. S.

Shrubs for the Florist.

BY CHAS. JACKSON DAWSON.

[*Extracts from paper read before the Providence Convention.*]

I do not recommend the establishment of a sizeable nursery in this conuection, but only what one might call a supply nursery, from which you would be able to fill the average small order; all large orders you could have shipped to your client direct from your favorite nurserymen.

The varieties of shrubs carried would naturally have to be limited and the number of each kind would depend largely upon the locality in which you were situated. In the selection of your species and varieties there are a few points to bear in mind: first, that there are a few plants which nearly everyone will want. Deutzia gracilis, Hydrangea paniculata grandiflora and lilacs are examples of that kind. Some of your clients will, in all probability, wish you to make a small plantation around their house. In this case you should have such shrubs as always group well together. This will not really take many sorts, as the practice now in vogue of massing a number of plants of one sort will readily do away with any great variety.

Again you should take care and not select a list of shrubs which would all flower at the same season of the year, but have a few sorts for different times of the season.

It might be well to carry a few of the most popular novelties, but very few; the public is slow in recognizing them. Fight shy of them, and, in preference, carry the sorts for the hundreds instead of plants for an individual.

You will need a few vines, such as wistaria, Ampelopsis Veitchii, clematis, actinidia and climbing lonicera.

For hedge plants, Berberis Thunbergii, privets, and Spiræa Thunbergii are the most popular.

Hybrid roses and a few pillar roses will always find a ready sale.

Altogether, twenty-five to thirty sorts of shrubs and vines are all a local florist should attempt to carry to commence with. This number will make quite a nursery, and will be sufficient to meet the average demand.

One word in regard to the planting and digging of the stock you are to carry. You should know enough about the planting of the shrubs to oversee or advise as to the proper treatment of same after they are sold. There is altogether too large a percentage of shrubs that die annually simply because they are not properly planted, and then the nurseryman is usually blamed for it. No doubt he is oftentimes to blame, but more often the trouble is due directly to the customer who imagines he knows all about the planting in question, and really knows nothing. Poorly prepared soil, the roots of the plant severely cut back or doubled up and placed in practically a post hole is too often the treatment that a well grown nursery plant receives, and then it is expected not only to live, but to thrive.

If you are to make a success of a local shrub business you must see that your shrubs are properly dug, pruned and packed before they leave your establishment, and then be able to talk intelligently to your customer in reference to the habits and future treatment of the stock sold. In starting a small nursery of this sort it seems to me that the best plan would be to lay in a fair stock of salable-sized plants from some reliable nursery, then, in order to keep up a supply, obtain a stock of small plants and grow them on for two or three years, when they would be of a very salable size. In this way you could keep up a good supply from year to year as your business demanded.

For a list of shrubs which would be most desirable I would recommend the following:

Syringa vulgaris (lilac), purple and white, and if business demanded it, a few of the choicer sorts, also the Syringa chinensis (Persian lilac); Hydrangea paniculata grandiflora, Viburnum opulus sterilis (the common snowball), Deutzia gracilis, Spiræa Thunbergii, Spiræa Van Houttei, Forsythia Fortunei, Exochorda grandiflora, althæa, Lonicera tartarica, L. stella, and L. Morrowii, Philadelphus coronarius, Pyrus japonica, and Rosa rugosa. The above are all popular and well known.

Hybrid roses in variety, pillar roses, such as the Crimson Rambler, the Dawson and Rosa multiflora; Rosa setigera and Rosa Wichuraiana are two first-class single roses, which are bound to be in great demand in the near future.

Magnolia stellata, M. Soulangeana, M. speciosa, and Pyrus Parkmanii would do well for small trees.

Lonicera Halleana and L. Heckrodoti I would recommend as two first-class climbing honeysuckles.

Rhododendrons, hybrid sorts, azaleas, Ghent and Mollis, and Daphne cneorum might be added as choicer and more expensive sorts to be carried in small quantities.

For midsummer Hypericum aureum and H. kalmianum would be good.

This would make a fair list to start with; more could be added or others substituted as business demanded; but to commence with, this list would be enough, and, as a rule, be satisfactory to the customer unless he be looking for novelties.

THE DIRECTORY and reference book for 1896 contains 335 pages, an increase of 64 pages over that of 1894.



A GROUP AT PROVIDENCE.

Treatment of Bulbs and Other Matters.

A correspondent from Decorah, Iowa, sends a long communication, too long to be published in detail. Boiled down, the complaints and questions are as follows:

"We read in the AMERICAN FLORIST to pot all your bulbs at once. How do you keep them from all flowering at same time?"

The word "bulb" covers many species. I don't think any one gave that advice in these columns unless they qualified it by saying what bulb. For tulips and hyacinths and the hardy narcissus that advice is good, as winter sets in and arrests their growth, and then they can be brought into flower from Christmas till middle or end of April. Roman hyacinths and paper white narcissus can be planted at intervals but none should be out of the ground after November 1. The narcissus should never be touched with frost and it does no good to Romans. Freesias should not be covered at all. When first potted and stood in the frames a light mulching, say ½ inch, will do no harm, but that is all that is necessary.

"I find a cold-frame covered with old manure and straw, which by December 1 will be frozen solid, a very inconvenient place to get at to examine bulbs, and it don't seem possible that it is the best plan. Is there no better to be recommended?"

Many times I have given out my treatment. It is to place the flats on a dry piece of land (I am now speaking of tulips, Von Sion and the Dutch hyacinths used for cutting). Place the flats on strips of wood; they will lift clean, without earth sticking to the bottoms of the flats. For a couple of months three inches of light soil or tan bark is all the covering they need. When real winter comes, and I like to see the soil a little frozen first, we cover with five or six inches of long stable manure. Winters with us vary greatly. If we have a fair amount of snow to help our covering the frost seldom reaches the soil sufficiently to cause trouble in bringing in the bulbs. If there is hard freezing and little snow I have seen the frost penetrate down to the flats and they have to be chopped out, but even with that labor I thought the benefit to the bulbs by having them outside more than paid. Perhaps in Iowa the winters are so severe that this plan may not answer.

"A writer in the AMERICAN FLORIST two years ago said pot the Roman hyacinths as soon as received and set outside, covering with two inches of old manure and water once a week until cold weather sets in. What does he call cold weather? If potted September 1 and watered every week till December 1, will it not rot the bulbs? Narcissus, he says, need more water than Romans."

I don't remember reading this passage in the FLORIST. This watering business must be guided by brains. If thoroughly watered when first potted or put into flats and covered with two or three inches of soil or tan bark and we get a good rain once a week no more watering is necessary, but in case of three weeks' warm dry spell a good soaking will benefit the bulbs, for if allowed to get very dry they won't be making roots as they should.

"I bought two lots of lily of the valley pips and not one of them ever started to grow at all. What treatment do they want?"

A few months ago there appeared in the FLORIST from the pen of that eminent grower, Mr. R. Simpson, a series of excellent and exhaustive articles on how to handle and force valley, to which I refer Decorah, for I could add nothing half as good. The only time I have seen valley pips refuse to start is when the new crop is attempted to be forced very early, say Christmas time, and insufficient heat was given. They will then just stand still.

"Lastly, one more question: What do you do with soil taken from the benches on which roses and carnations have grown? I suppose it can be put to further use in some way."

We never have enough of it here. If so inclined we could sell any amount of it for more than it cost us to people who want a load of "nice dirt." It is just what you want for your bulb flats. If put in a heap and a fourth or fifth of good manure mixed with it, it will the following spring be plenty good enough for potting many of the common bedding plants. Even if you have a farm it is surprising how much soil you can use. Large growers who skin an acre or two of land for their benches, return the old soil, and after cropping a year with something that wants plenty of manure they seed it down again and have in a few years a soil that can be used again for their benches.

WM. SCOTT.

Cypripedium Bellatulum.

[*See engravings page 77 of last issue.*]

The cypripediums may be roughly divided into four groups from a cultivator's point of view, first the true terrestrial species, many of which are natives of the United States, then the South American kinds that are peculiar in that none have tesselated leaves, all being strap-shaped, and the pollen a dry powdery mass, then those from the east that are for the most part beautifully tesselated in the foliage, and last the group that come also from the eastern hemisphere but are very distinct from all others, one of which is here reproduced, C. bellatulum. This last section bears out to the utmost the common name "slipper-flowers" in that the pouch is as beautiful a model for a shoe as can be imagined. Cypripedium bellatulum flowers make exquisite boutonieres, and we grow them for the purpose specially.

There is no difficulty in growing this species and its near allies, C. concolor, C. niveum, and others, if they are suspended where no water can lodge in the heart of the growths, and if potted in good loam fibre with pieces of lime stone mixed through the soil. This species grows naturally on limesone rocks, and the addition of a few chips in the soil makes quite a difference in the vigor of the plants.

C. bellatulum is a variable species. There is wide diversity in the arrangement of the spots. There is also a pure white one in cultivation in the collection of Jas. E. Rothwell at Brookline, Mass., but the gem of all C. bellatulums is the one here figured as a variety, in striking contrast to the type. This one is a beautiful shade of nankeen yellow with the red spots arranged in lines, and the lip unspotted; it is a great beauty, quite unique if indeed it is not a new species, as there appears to be no other yellow variety on record. In any case Mr. Rothwell is to be congratulated on the acquisition of such a treasure. The flower has been sent to Kew for identification. The photo-

graph is taken exactly life size and is a good representation of the original.

E. O. ORPET.

The Hamburg Exposition.

After a day's trip among the retail stores in New York where business was very quiet, the writer departed on July 22, on steamer Barbarrossa for Europe. The trip across the ocean was exceptionally wet, cold and foggy, excepting through the Channel and North Sea, where the weather became and has since been pleasant and warm, in fact very warm, about 85° to 87° during the day, but of course the nights are cool and refreshing.

A day's pleasure trip in Bremen showed us the general love for flowers. Window and veranda boxes were everywhere, on steps and over doorways, over gateways and along fences, and how bright and beautiful are they, full of bloom and wonder ul green foliage. The principal plants used are lobelias, fuchsias, ivy-leaved geraniums, zonal geraniums and begonias. Fuchsias can be seen in all public and private places in the sun and in the shade. They b oom in profusion, in beds and as standards. In many places standard geraniums, roses and hellotropes grow to perfection.

The stores in Bremen as well as Hamburg make it a special study to trim their show windows in tasty and neat style. The combinations of odd colors seems to be at present the thing, and in this line very beautiful effects are made. However, about this item we shall write later after seeing the special exhibition of floral arrangements which will be held from August 27 to September 5, at the Hamburg exhibition. It is astonishing the number of stores and permanent stands that can be seen in these two cities. Of course the many steamer arrivals and departures is one cause, but the greatest demand is for birthdays, betrothals, weddings, dinners, every day use and also not to forget cemetery and funeral work.

Arrived in Hamburg on August 4 just one day after the special exhibit July 27 to August 3. Many things remained, however, to show to what extent flowers, fruits and vegetables had been exhibited. After being introduced to the genial secretary, Theo. Eckhardt, formerly of Baltimore, and being provided with the proper credentials we were ready to go out and make a hurried round of the exhibition grounds.

The exhibition as a whole is one of beauty and finish. Wherever the eye rests something of interest can be seen. The park itself is naturally well adapted for an enterprise of this magnitude and with a liberal sum on hand and the many exhibitors every space and every nook has been utilized. The open spaces show lawns of exquisite beauty, groups of conifers make pictures of ever changing greens, a bed of scarlet geraniums here and a bunch of tall standard fuchsias full of bloom, and beds of tuberous begonias and summer plants everywhere. It may be said that an over crowding in several spaces can be excused by the fact that many exhibitors could not be accommodated otherwise.

The secretary informed me that for the special fall exhibition several large tents will be erected, and then the space will be short of doing justice to all intending exhibitors. The grounds are extensive. Of course much room is occupied by the many restaurants, summer houses, Alpine houses and other places for recreation. These buildings are all built on extensive plans, all different and suitable to the different locations, and for distinctive uses, for the sale of beer, wine, milk, fruit wines, etc. Considerable sums have been spent for original decorations of these buildings, adding to the general effectiveness of the whole exhibition grounds. Besides the main building for the display of plants and flowers many side buildings are erected for special displays, floral, fruit, vegetable and botanical purposes. In the cut flower and floral arrangement department constant changes are made. Every Friday these displays are renewed, besides during the other days every florist tries his best to keep things looking fresh and tidy. It is refreshing to walk through these rooms, cool, fragrant, and some very artistic effects are produced. All walks and places inside and outside of the buildings are kept very clean and damp.

The plant displays in the main building also constantly change, one week tuberous begonias, geraniums, etc., the next week hydrangeas, gloxinias, fibrous begonias, etc., besides the display of foliage plants, such as araucarias, caladiums, begonias, adiantums, palms and many others.

On August 6 premiums were offered to amateurs for single plants of their own production. It was amusing to see boys, girls, young ladies, women and men bring in their plants from all directions. Some very nice specimens were seen, but altogether they were the ordinary run of house plants. All over the grounds many fine specimen laurel trees in tubs were placed; especially were these noticeable around the restaurant places and music stands. Four bands and orchestras play in different parts of the grounds during the afternoon and evening; the music stands are near the refreshment houses and we spent many hours eating our meals, refreshing ourselves and listening to the delightful military band and orchestra of forty to fifty instruments.

Under the guidance of Mr. Eckhardt we also saw much of Hamburg and the beautiful surroundings, but he promises a special treat for us at the special exhibition, when we hope to see many brother florists from America. We spent several delightful hours in the grounds with those two well known growers Julius Roehrs and J. M. Keller. Unfortunately they must leave for home the middle of August. Mr. and Mrs. Anthony Wiegand, of Indianapolis; Mr. Eisele, of Dreers, and several others have also been through the grounds.

The exhibition is beyond a doubt a beautiful creation, instructive to a high degree. It must be seen several days to appreciate this fact. W. B.

Boston.

FINE EXHIBITION AT HORTICULTURAL HALL.—A SUPERB DISPLAY OF AQUATIC FLOWERS —BUSINESS QUIET.—SEASHORE TRADE DROPPING OFF —PLEASANT RETURN FROM NEWPORT. — VISITORS IN TOWN.

Last Saturday's exhibition at Horticultural Hall was superb in every way. The only unfavorable comment heard was to the effect that the show should have been scheduled for two days instead of three hours. The aquatic displays from H. A. Dreer and Oakes Ames were most interesting, comprising as they did so many new and beautiful additions to the list of water lilies. Both were admirably arranged with sedges, papyrus, nelumbium foliage, etc. Besides first prize for display, Mr. Dreer, who was represented by Mr. Tricker, received a certificate of merit for Nymphæa Falconeriana, a hardy American seedling, flower very large, dark cherry color, with cardinal stamens and golden center. Ouvirandra fenestralis was shown in grand shape by D. F. Roy, gardener to E. S. Converse, and Wm. Thatcher, gardner to J. L. Gardner.

The exhibition filled both upper and lower halls. A great show of asters was made, the different classes of this favorite annual being shown in good variety and quality. Jos. H. White, John L. Gardner, H. A. Wheeler, John Jeffries and C. H. Souther were the leading exhibitors of asters. Herbaceous flowers from N. T. Kidder, J. W. Manning and Oakes Ames were also fine. A silver medal was awarded to Henry A. Dreer for collection of canna blooms, certificates of merit for gladiolus "White Lady" and canna "Alemannia" and honorable mention for petunias.

There is but little business going on and prices on cut flowers have changed little since last report. Chilly nights give notice of the approach of autumn and the closing up of the seashore trade, which although small in comparison with that of former years has been very acceptable to the dealers here, who have found the local market unusually dull this season.

The 10 p. m. train from Providence on Friday evening after the trip to Newport carried nearly one hundred of the Boston "ornamental horticulturists." Newport scenery and Rhode Island hospitality were on every tongue and everybody was supremely happy in the reflection that they had enjoyed one of the most enjoyable occasions of their lives.

Boston has had quite a number of visitors since the close of the convention. J. A. Dirwanger, of Portland; W. R. Smith, of Washington; John Walker, Geo. McLean, Mrs. Robert Craig and several others from Philadelphia; H. B. Beatty, Oil City; and Messrs. Leow and Cook from Pittsburg were among the number.

Jackson Dawson is expected to return from his trans-Atlantic trip about September 15.

Philadelphia.

HURRAH FOR PROVIDENCE AND NEWPORT. —PHILADELPHIA ON HAND WHEN PRIZES WERE GIVEN OUT.—QUALITY OF FLOWERS IMPROVING —LITTLE DOING —DEATH OF MR. PRICE AND MR. SPANGLER.

Hurrah for Providence, and three cheers and a tiger for Newport, as well! The 20th of August will ever remain a bright spot in our memories. At this writing we believe all have reported. Some went to Boston, others lingered a while in New York, but all eventually arrived home safe and sound.

Philadelphia was much in evidence at this convention especially when the prizes were given out. It kept the Quaker City boys busy receiving them; only one first escaped us, the prize for the best individual made by a bowler not taking part in the team contests. The Evans cup and the two highest individual scores in the three games in the bowling contest are ours. In the shoot we won the first prize for the six men team, had the three highest scores, and also carried off the first in the individual shoot for those not on the teams; and yet we'er slow!

The ladies of the party have much to say of the many courtesies that were shown them. They were made to feel at home from the first and thoroughly enjoyed every minute of their stay.

Omaha! Well, the wind was from the



THE SHOOTING TEAMS AT PROVIDENCE.

west that morning sure. It looks a long way now but we have a vear to think about it and perhaps it will seem nearer by next August, especlally if that half fare matures.

Things have been moving on in the old mid-August fashion the past week and there is very little doing. The quality of the flowers seems to be improving and some very fair Beauties of the new crop are to be had. La France and Kaiserin are also looking well. Some of the best of these are from budded stock. At Alexander Scott's a bed of budded Beauties has far out stripped a bench of the same rose on their own roots. Although planted at the same time and then about the same size, the budded stock is easily twice the size of the others and showing a great many buds, which by the way way have up to this time been pinched off.

The trade reception at H. A. Dreer's Riverton nurseries on August 31, promises to be a large affair. Any florist or private gardener who has not yet received an invitation will have one sent him immediately on receipt of postal by the firm. The card invites gentleman and ladv.

Mr. J. Sergeant Price, one of Philadelphia's prominent lawyers and citizens, died August 16. Mr. Price was for many years an active member of the Penna. Horticultural Society and gave freely of his time and legal advice.

Edwin J. Spangler, of Philadelphia, well known in the seed trade as a maker of seed bags and envelopes, died August 15, aged 56. He leaves a widow and two daughters.

Thos. W. Weathered's Son, of New York, has the contract to build a $4,000 conservatory, 40x50, for Geo. B. Wilson.

The wind up of the bowling tournament attracted a large crowd to the club room last Thursday evening. Each member rolled one game, making twenty-five in all. Except in a few instances the scores were not close enough to make the finish exciting, still there was much enthusiasm. The team that won the cup at Providence were challenged by six men captained by I. Kennedy, match to take place next Thursday night. The house committee provided a substantial lunch and a very enjoyable evening was spent by all. The scores follow:

FIRST CLASS.

A. L. Brown	3466
G. O. Bell	3412
John Habermehl	3295
Robt Kift	3325
I. Kennedy	3219
Geo. Craig	3162
W. J. Baker	3047
Geo. McLean	3033
Chas. Longinetti	2972

SECOND CLASS.

Albert Woltemate	2882
John Westcott	2856
Wm. Craig	2848
J. B. Starr	2765
John Walker	2746
F. Addlehurger	2740
A. Lutz	2679
C. Kohlert	2511
Geo. Watson	2442
H. Dumont	2376

THIRD CLASS.

D. Rust	2970
John McLean	2769
Geo. Moss	2643
John Gracey	2580
R. Kienhle	2550
W. Koehler	2541
F. Homan	2456
H. Kreinberg	2440
F. Ehret	2164

Instead of Thomas Butler going to the convention he bought for himself a bicycle. Early and late did he practice, sometimes he was up before the sun learning all there is to be learned anent the silent steed, and he was getting along nicely, when in an evil moment he aspired to pass an old timer, which he did, but at what a cost! He became rattled, lost control of his steed and down he came, with the result that he broke one of the small bones in his ankle. His doctor ordered him to bed, set the broken bone, and gave him the cheerful tidings that he would not be able to leave his bed for several weeks. This is too bad. Thomas has always led an active life, and to be thus confined will go very hard with him. It is to be hoped that he will not be laid up as long as the doctor predicts.

C. G Diehl, late with LaRoche & Stahl Co. limited, opened, on August 18, a retail store on 15th street below market.

K.

Chicago.

TRADE FAIRLY GOOD FOR SEASON.—COOL WEATHER.—STOCK GOOD FOR AUGUST.—SHORTAGE OF GOOD CARNATIONS.—CLUB EXCURSION.

Trade this week considering the season of the year might be called fairly good. With continued cool weather, almost too cool, the supply of roses kept fairly within the demands of the market. In quality the rose stock is very good, as a whole. Of course there is still a great deal of short stemmed stuff which sells very low. Brides and Maids, particularly those cut from old stock, are as good as ever cut in August. In prices there is little change. Select stock in small varieties brings $2 to $3. Beauties are coming in with longer stems, the best commanding $1.50 per dozen and from that down to $2 and $3 per 100 for short.

Carnations remain active and are still short of demand in the better grades. The best quality commands $1 per 100, seconds 50 to 75 cents. A few single outdoor grown violets have made their appearance but there is little demand for them. In outdoor stuff there is considerable call for hydrangeas, but few can be had in the market as yet. Gladiolus and asters are still plenty but meet with very light demand, as in fact does everything else in the line of garden flowers. Sweet peas sell fairly well but unless of extra quality or fancy variety sell at 10 cents per 100 and less. Pond lilies, of which large quantities were sold this year, are still with us, but with continuing dry weather must soon give out.

The Florist Club excursion to Bassett & Washburn's establishment at Hinsdale this Saturday afternoon promises to be a very enjoyable affair. Train leaves Union Station at 1:30 p. m.

Mr. and Mrs. Payne, of Hinsdale, have returned from Wisconsin, where they have been enjoying an outing.

Mrs. E. L. Huntington, with Bassett & Washburn, is spending her vacation at the different lakes in Wisconsin.

Recent visitors: E. C. Buechel, of the Riessen Floral Co. and R. F. Tesson, St. Louis; H. C. Laughman, Cerro Gordo, Ill.; Geo. Kranz, Muscatine, Ia.; Mrs. E. M. Harwood, Shelbyville, Ill.; F. B. Tinker, Peru, Ind.; J. A. Newby, Logansport, Ind.

Springfield, Mass.

TOO MUCH RAIN.—CARNATIONS IN THE FIELD INJURED —LIST OF 36 SWEET PEAS FOR GENERAL CULTURE.—SWEET PEA SHOW.

Florists in this locality are very much disheartened by the great amount of rains that came in July and yet continue although not quite so frequent. Carnations, especially white, are said to be rotting in the field badly. Linwood Morgan and B. J. Shaw are sufferers too, the greater part of their stocks being destroyed and nearly all outside flowers are very much damaged. Bedding plants suffer also, not flowering so freely as in seasons of less water, the only exception possibly being cannas which delight in the liberal and frequent wetting.

N. J. Herrick, who left this locality in July, has not returned. His stock will be sold September 1.

The Hampden County Horticultural Society met the 17th and approved the action of the judges at the sweet pea show and adopted a list of 36 sweet peas for general culture. The first twelve are Aurora, Blanche Burpee, Blanche Ferry, Burpee's New Countess, Firefly, Golden Gleam, Her Majesty, Lovely, Maid of Honor, Royal Rose, Stanley, Venus. Second twelve: America, Captivation, Countess of Aberdeen, Dorothy Tennant, Katherine Tracy, Lady Penzance, Gray Friar, Mikado, Prima Donna, Ramona, Waverly, Mrs. Eckford. Third twelve: Apple Blossom, Brilliant, Coquette, Captain of the Blues, Duke of Clarence, Emily Lynch, Lottie Eckford, Meteor, Mrs. Joseph Chamberlain, Mars, Ovid and Senator.

Vacation time has somewhat delayed my account of the sweet pea show of the Hampden County Horticultural Society. In many respects it was one of the best exhibitions or displays of this flower ever given. After many disappointments and postponements the exhibition was held August 11 and 12. In almost any other season it would have been too late but the earlier flowers were ruined. As it was some of the large growers were unable to show anything. Some excellent flowers were staged. Lovely, Celestial, Royal Rose, Aurora, Burpee's New Countess, Maid of Honor and Golden Gleam were excellent examples of the newer varieties.

The Eckford challenge cup went to Mr. C. M. Hartzell, of Holyoke, this being the best showing of Eckford varieties for the current year. W. J. Elred, of West Springfield, was the winner of twelve first prizes. Noticeable among his were Maid of Honor, Aurora, Golden Gleam, Firefly. He also had a complete list of varieties of 1896 and 1897. E. C. Fenn, of Ware, won several awards. Among them were Katherine Tracy and Celestial. E. A. Weeks, of Worcester, took several prizes with Golden Gate, Royal Rose and Brilliant. Mrs. H. A. Jones, of Worcester, had fine flowers of Burpee's New Countess and Blanche Burpee, also a good showing in general display. C. M. Hartzell, of Holyoke, was awarded the Burpee Prize of 21 books on horticulture for general display.

O. H. Dickinson was granted a diploma for a fine exhibition of cannas. The Botanic Gardens of Smith College, L. J. Canning gardener, showed some two hundred varieties of hardy flowers, also fancy-leaved caladiums and gloxinias. Donald McGregor, gardener for A. H. Lyman, of Northampton, made a fine exhibit of gloxinias, for which he is famous. Mr. Earle, of Philadelphia, and several seedsman, from Hartford, Worcester and other places, were comparing varieties and taking notes. The Allegheny hollyhock was shown by A. E. Wohler, Altoona, Pa. They are certainly a beautiful strain and attracted a good deal of attention. B. M.

St. Louis.

COOLER WEATHER IMPROVES STOCK.—DEMAND LIGHT.— EAST ST LOUIS PARK COMMISSIONERS.—OAKVILLE FAIR —HURRAH FOR PHILADELPHIA.—BOWLING.

Weather dry and cool and the growers report they are very much in need of rain. Business very quiet the past week. Reports from store men all over the city are that nothing but an occasional funeral order keeps them from forgetting how to make up the work. During the dull days some of the florists are renovating their stores with new wall paper and fresh paint.

The cooler weather has improved the quality of stock, but the demand is very light and all stock is plentiful. No shortage of anything except American Beauty roses. There was a demand for these last week, but they were hard to find. The best roses that come in now are Kaiserin, Meteor and Bridesmaid. Some few good Perles. The first class bring $3 and the seconds are selling at $1.50 and $2 per hundred. Carnations are still very scarce but the few that are coming in are looking better; price $1 per hundred. Tuberoses, asters, gladioluses and hydrangeas are plentiful at all the places. Clematis paniculata is blooming now and is used very much in choice funeral work.

The citizens of East St. Louis held a public meeting last week for the purpose of selecting five candidates for park commissioners. After considerable balloting the following were selected from the list to run for the position of park commissioners: T. J. Daniel, Dr. J. L. Wiggins, Henry Pfeifer, J. M. Sullivan and Dr. H. J. DeHann. The election will be held Tuesday.

The Oakville Fair opened August 21, under the auspices of the Oakville Farmers club, on the grounds of the club at Oakville, on the Telegraph road in St. Louis county, three miles south of the Jefferson Barracks. The grounds of the club are located in a delightful grove and the club members and their families were out in full force, also a number who drove out from the city and spent the day admiring the tempting display of fruits, vegetables, jellies and other good things. There was also a fine display of farming implements. Congressman Richard Bartholdt was among the visitors and was called upon for a speech. He responded in a short address in which he complimented the club on the fine exhibits displayed.

R. F. Tesson left for Chicago Saturday, for a short trip. Bob can't stay long as there is some attraction for him here from old Kentuc.

Otto Suecker, of St. Paul, has taken charge of Tom Carroll's place.

Hurrah for Philadelphia! for they were our choice to win at bowling and shooting. I wonder if W. S. placed that bet of three good cigars with our old friend George Anderson of Darby road. Let's see. Flatbush came in fourth and poor old New York fifth. I wonder how P. O'Mara feels now. And next year we go to Omaha, 488 miles from St. Louis. It's a little far for our eastern brethren but that can't keep them away. Come, and we will be with you this time.

We had our usual good time at the bowling club Monday night and rolled three games, in which Carl Beyer came out on top with 582. Beneke second, 560; and Schray third, 532. The single high score was by Beyer, 210; Schray and Beneke second, 209. As August has five Mondays the series will be extended to 15 games and not until next Monday night will the August series end. The three leaders are C. Beyer, E. Schray, and Chas. Kuehn. A great finish is expected by these three men for the medal.

J. J. B.

St. Paul.

Business is quiet through better than at a corresponding date one year ago. There is some comfort in that thought. Roses and carnations are in fair demand with the supply about equal to requirements. Other flowers are abundant and cheap, there being no regular prices on outside stock. Cool nights the past week has caused some mildew and occasional firing is necessary.

Chris Bussjaeger, who suffered a heavy loss from fire last spring, seems to be prosperous in spite of the disaster and has erected two new houses 18x80, which will be devoted to roses. Heretofore he has grown chiefly bedding plants, but with increased facilities hopes to do a nice business in the cut flower line He has also added a neat, attractive office to his establishment.

Carnations and violets have made a fine growth this season and the best plants—the strongest and freest from disease—we have ever seen will be planted for winter blooming.

Haugen & Nilsen contemplate putting in two more houses to violets this winter, nearly doubling the number grown last season.

We are delighted to learn that we are to have the convention in the west next season, and hope that our wide awake progressive growers will make a good display.

We regret to learn that Mr. Gray, foreman for Mendenhall, of Minneapolis, is about to return to the east. During his stay here he has made many friends here as well as growing many fine flowers.

Mrs. A. S. Swanson is quite ill at her home in this city.

Recent callers were Mr. Currie, of Currie Bros., Milwaukee; Mr. Lipman, New York, and Mr. Massey, of Carter Crume Co., Dayton, O. FELIX.

Cleveland.

Business has been very dull of late and without any noteworthy features whatever. Flowers have been of the customary summer quality and quantity, although some pretty fair roses are being cut now.

James Wilson, formerly of Williams & Wilson, has erected three houses about

125 feet in length this summer. They are to be devoted mostly to roses, mainly Meteor.

Those who attended the convention at Providence have nearly all returned and report most favorably in regard to it. Everybody had a good time and all speak most highly of the cordial hospitality that was extended to them. A.

Herbaceous Plant Notes.

August is a good time to sow the seed of perennials. A great many species may easily be increased in this simple manner, though for the reproduction of special varieties, propagation by division or by cuttings is the only sure way to be relied upon. A frame or a bed in a sheltered and shady position should be prepared for this purpose and the seeds sowed in rows 5 or 6 inches apart. The soil should be rich, fine and light, but not newly manured. The smaller and finer seeds must not be covered too deep; with the larger and harder ones it does not make much difference. For some of the largest, two inches is not too deep, but one inch is usually enough for all, providing the soil be kept constantly in a moist condition until the seeds have germinated and the young plants are up. Some seeds will come up a few days after sowing, others will not appear above ground for several weeks, and a few kinds may lay dormant for months or even a year before they show any inclination to germinate. Fresh seed is always the most reliable, for this reason, fall sowing is generally practiced with the spring and early summer flowering species, seeds of these ripening early enough to be sowed in August or even sooner.

Some of the young seedlings will be strong enough to bloom the following summer, though most of the species are slow growers for the first year and will not be in condition to perfect their flowers until the year after. When the young plants are of suitable size they should be transplanted without delay in a similar bed or frame, preferably the latter, because a protection of sash for the first winter helps to preserve vigor and strength of the seedlings, but in the open air, good results may be expected when we take the additional precaution of protecting the ground by covering with long manure or litter of some sort. The covering must not be put on too early. We should wait until regular winter weather and hard frost has set in, the end of November or first half of December is plenty early enough. None of our hardy plants are ever injured by frost in the last two months of the year. February and March are generally the most trying months for them, alternate freezing and thawing of the crowns causes the mischief. When these are slightly protected or shaded, they are not so liable to frequent thawing out, the ground remains in a frozen condition under the covering and this saves our plants from injury.

The seedbed may contain a number of plants which were not large enough for transplanting before frost, let them remain where they are and cover the bed with the same rough material as the other; in spring these little plants will soon be in condition for transplanting. Some of the seeds in the bed may not have germinated at all, but they generally will do so as soon as the ground gets warmer and even if they do not show above ground then have patience. If the seed was fresh and well ripened you will see the young plants coming up before fall, therefore it is well to keep the bed moist and free from weeds.

Late summer sowings necessarily require more attention and labor than spring sowings, still with many things it is safer to sow the seed soon after ripening and we should not mind the little extra labor especially as we may expect at least some of the plants to flower in the following summer, while but very few of the plants raised in spring will attain strength enough to flower the same season.

Among those which are always sure to germinate readily are the following: adenophoras, æthionæmas, of all sorts, the agrostemmas, altheas, the various alyssums, amsonias, the anchusas, antennarias, aquilegias in variety, arabis and arenarias, armerias, arnebias, arnicas, aubrietias, bellis, buphthalmums, campanulas of many sorts, centranthus, coreopsis, the many delphiniums, dianthus, dictamnus though it takes a long time to get strong plants from seed, digitalis, the dracocephalums, erigerons, erodiums, eryngiums, gaillardias, geums, gypsophilas, helianthemums, heucheras, hibiscus, lathyrus, leontopodiums, linarias, linums, lupinus, many of the lychnis, the malvas, orobus, but they take a long time to make strong serviceable plants, papavers, pentstemons, palemoniums, primulas, pyrethrums, rudbeckias, salvias, scabiosas, sidas, silenes, stachys, stenactis, thermopsis, slow growing but germinates readily, tunicas and many of the veronicas.

These alone, in variety, would constitute quite a collection, but of course double flowers and choice varieties would scarcely be represented and many of the poor or indifferent flowers would also have to be weeded out when blooming time arrives, yet where a large stock is wanted of any one species, seed sowing is the cheapest way to accomplish this. It would perhaps be doubtful whether it would pay the small grower, with limited grounds to try and get up a collection by sowing the seeds of all the species mentioned above, as the plants will perhaps occupy too much valuable space and cause too much labor without returns for a year or more and perhaps over one-half of the plants would prove inferior to the original type and would have to be thrown out. J. B. KELLER.

Rochester, N. Y.

Davallias.

There are now a large number of species included in this genus, many of which were formerly given separate generic names, and I think that the microlepias, leucostegias, acrophorus, etc. might for all practical purposes, still retain the generic names by which they are best known and generally catalogued in the trade. In these notes I intended to refer more particularly to those of the harefoot section.

These are now many very distinct varieties of these most of them being very useful for decorating. As they are so easily propagated from divisions, few growers trouble about seedlings, yet seedlings make much the best plants. Spores do not germinate so freely as many other ferns, but with care in selecting the seed fronds at the right time, and sowing them soon after they are collected, good results may be obtained. I like to surface the spore pots with a little sphagnum moss cut up and rubbed through a fine sieve with sand and charcoal; this makes a good surface for any of the choice fern spores. The pots may be well soaked with water before sowing the spores, after which no surface water should be given. If the pots are stood in saucers sufficient moisture may be kept up by filling the saucers up about once or twice a week. It will depend on the position and other circumstances, but it should be remembered that it is possible to over do it, even by filling up the saucers. Each pot should be covered with a piece of glass, and if the water condenses on the under surface it should be wiped off at least two or three times a week. I prefer the seed pots to stand in the open on the shady side of a house. Day light is very essential, but the direct rays of the sun must be avoided.

By raising seedlings we not only get much better plants, but some very pretty varieties may be obtained. D. fijiensis varies very much and some distinct varieties have been obtained. Messrs. Birkenhead's f. elegans is one good example; this has broad spreading finely cut fronds the young ones having a dark bronzy metallic shade. I saw some very good things at Mr. Bull's nursery some time ago which evidently were nearly allied to the above, and of these epiphylla is one of the most distinct. The rhizomes spread more than in the species and have a tendency to grow erect. The large spreading fronds are of good substance.

D. lucida, is somewhat intermediate between the above and D. solida; the large fronds have a bright surface. D. concinna differs from fijiensis in having short rhizomes densely covered with rather long scales of a reddish brown color.

D. fijiensis robusta, raised at H. B. May's nursery, is a vigorous growing variety with rather thick rhizomes which spread freely. It is one of the best for baskets, the long rhizomes soon covering the surface and the large spreading light green fronds are very effective. Effusum is another from the same batch of seedlings. This has long rhizomes and finely cut drooping fronds, the dark bronzy tint in the young fronds being very decided. The Japanese D. Maresi also varies very much. There is a very pretty crested variety sent out by Messrs. Veitch & Sons a few years ago. Although a distinct and pretty variety it does not appear to be much known. Decurrens is another distinct variety; it has long slender rhizomes, which are covered with light brown silk-like scales; the small triangular fronds are of a pale green; when grown in suspended pots the rhizomes will extend a good distance below the pots.

D. glabella, a seedling variety from Tyermani, has slender rhizomes, covered with silvery white scales, and small finely cut fronds of a deep glossy green. Pulchella is another very pretty variety of the same parentage; the young fronds have a deep bronzy tint. The three last named originated with Mr. H. B. May.

All of this type of davallias are worthy of attention. I may mention Griffithiana, elegans, and decora, as being among the best. They all succeed well in an intermediate temperature. They should be potted in a rough fibrous compost, and plenty of drainage used. As they do not root deep, pans are preferable to pots, especially for larger specimens. Under good treatment, they never have an untidy appearance, and are very serviceable for decorations or for cut fronds. During the autumn some of the fronds ripen off a bronzy yellow and these are much appreciated by some of our London florists for bouquet work.

A. HEMSLEY.

CHAMBERSBURG, PA.—John W. Lawrence died on July 26, aged 66 years.

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MR. W. ATLEE BURPEE is daily expected home from Europe.

FOREIGN REPORTS indicate a good radish seed crop; spinach will be rather short.

MESSRS. PETER HENDERSON & Co. are making some repairs on their Cortlandt street store.

HARRY WATERER will open a bulb and seed store in Philadelphia. Mr. J. Wallace, formerly with Jno. Gardiner & Co., will have charge.

ALL GENERAL orders of French bulbs are coming in late this season and latest reports indicate stock nearly or quite exhausted on the other side.

THE F. E. MCALLISTER COMPANY.—The sheriff received several attachments yesterday against the F. E. McAllister Company, dealer in seeds at 69 Cortlandt street, from Charles J. McDermott, in favor of the following creditors: Thomas Matthews, $2,792; Marshall H. Duryea, $760; Arthur C. Scutts, $130; Patrick Brady, $1,200, and the Fulton Market National Bank, $849. The company made an assignment on June 11.—*New York Times, August 12.*

Growing Lilium Harrisii Bulbs.

I have read the discussion on above subject and will add a few words. I have planted bulbs, both large and small, several times in this state (Alabama), but found they required a steady supply of water which is not always forthcoming here. From what I know about the climate and soil around New Orleans I think they could be made a success there. I have often wondered why some one did not try it. I hope the high duty will encourage growers to produce the bulbs in this country. F. J. ULBRICHT.
Anniston, Ala.

Bacteriosis of Carnations.

In a paper recently presented before the American Science Association Mr. A. W. Woods, of the Department of Agriculture, Washington, D. C., brings forward some observations in support of the view that the bacteriosis of carnations, as it has been called, is primarily set up by the puncture of plant lice and thrips, and that the bacteria that Professors Arthur and Bolley claim as the cause are really secondary agents. It is thought that when these insects have not been seen on the diseased plants, they are really present but unobserved. This statement will call renewed attention to a disease that has greatly interested the carnation grower, as well as the scientist. A.

ELLWOOD CITY, PA.—Mr. C. C. Heberling is about to start into business at this place.

YORK, PA.—Mr. Augustus Doll has bought out the establishment of B. F. Moore.

MARTINSVILLE, IND.—Mr. M. C. Beers has bought the greenhouses formerly conducted by H. R. Winn.

MAYVILLE, WIS.—Mr. A. Brunke has recently gone into the business here. He is growing general greenhouse stock.

KNOXVILLE, TENN.—The seventh annual meeting of the East Tennessee Horticultural Society was held here August 19. An excellent exhibition was made in connection with the meeting.

RED BANK, N. J.—The exhibition of the Monmouth County Horticultural Society will be held here September 1 and 2. A liberal premium list has been issued. George Steele is secretary.

THE third annual excursion of florists and gardeners to the Dreer nurseries at Riverton, N. J., takes place August 31, on invitation of Mr. Dreer.

THE LAST REPORT of the Ontario Fruit Growers' Association and the Ontario Fruit Experiment Stations has been received. It will undoubtedly prove very valuable to Canadian fruit growers. L. Woolverton, Grimsby, Ont., is secretary of the association.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—By a young florist. Can furnish good references. Box 386, Portsmouth, O.

SITUATION WANTED—By experienced all round grower; age 26 years. Address A P, Box 57, Lenox, Mass.

SITUATION WANTED—Florist, single, 26, strictly temperate; permanent place in or near Philadelphia. G P, care American Florist.

SITUATION WANTED—As gardener and florist by single man of large experience; first class references, etc. Address A D, care American Florist.

SITUATION WANTED—By first-class grower and decorator, position either in store or greenhouse. References No. 1. Address VERITAS, care American Florist, Chicago.

SITUATION WANTED—As gardener. Thoroughly competent in all branches; married, no family; 6 years in last place. References first-class. Address H C W, Box 16, Mayfair, Ill.

SITUATION WANTED—As manager of some small place; 8 years' experience; married. Best of references; engaged as gardener for the leading park of this vicinity. State wages. Address J. F. POAGUE, (Lagoon Park), Lindlow, Ky.

SITUATION WANTED—In private place, by German gardener, married, no children; thoroughly understands all greenhouse work. Good references. No objections to taking care of cow if necessary. CHAS. DUEKOOP, 4110 Cottage Grove Ave., Chicago.

SITUATION WANTED—As assistant florist or gardener; private or commercial place; 12 years' experience in garden and greenhouse work; strictly sober, willing. Good references; age 28. Eastern states preferred. Address G J, care American Florist.

SITUATION WANTED—By an expert florist in store or nursery. Can make any design in floral work, and is well versed in cut flower and plant trade. Also very quick and obliging; 18 years' experience in all branches. Abstainer; age 29; married. Distance no object. One trial would satisfy. Address J. DAVIS, 513 E. Indiana Ave., Philadelphia, Pa.

WANTED—A young, single man, industrious, careful worker, as assistant in large place. Address VIOLET, care American Florist.

WANTED—Married man as foreman on large place for growing cut flowers. References required. State wages. ROSES, care American Florist.

WANTED—To rent first-class greenhouses, stocked doing good business, near the lakes. U. S. or Canada. Address B E, 210 N. ver. St., Danville, Ill.

WANTED—Grower for roses, carnations; designs and general greenhouse work. Wages $20 and board to begin with. Address K, care American Florist, Chicago.

WANTED—Mushroom and cucumber grower. Enclose with application copy of 3 recommendations as to special ability in these lines. State salary expected. GEO. M. KELLOGG, Pleasant Hill, Mo.

WANTED—At once, good all round florist, for roses, carnations, violets, mums, and a general line of plants. Must be sober, neat and honest. Send references, and state wages wanted, with board. Address E. H. SMITH, Macomb, Ill.

WANTED—A florist who understands growing of roses, carnations, violets, mums, etc. Single man preferred. Wages $50 per month and board. Address with references, WILLIAM KRUMM & SONS, St. Joseph, Mo.

WANTED—A good, enterprising gardener, florist as well nurseryman; a middle aged, married man who speaks German preferred; to go to Mayville, Wis. Very good chance; fine location; no competition. Requires only means to lay in stock—everything else furnished. Apply to A. BRUNKE, Mayville, Wis.

FOR SALE—No. 5 David Smith boiler in good order. Price $25. Box 201, Wellesley, Mass.

FOR SALE—Four greenhouses and stock, located in Chicago. Under present circumstances will sell at half cost. A. A. SMITH & CO., 688 W. North Ave., Chicago.

FOR SALE—Another lot good sound second hand 3-inch boiler tubes 4 cents per foot. Secure them while they last; nothing better or cheaper for hot water heating. W. H. SALTER, Rochester, N. Y.

FOR SALE—In Warren, R. I., 5 greenhouses, nice 6-room cottage, barn, sheds, shops, etc.; about 10 acres of good land; young orchard, shade trees and grapevines. Greenhouses and cottage heated with hot water. Windmill supplies water over the premises. Can be bought on easy terms. Apply to O. H. NYE, Warren, R. I.

FOR SALE AT HALF ITS COST 18,000 ft. of glass, well stocked, convenient to New York City, two-story dwelling, 9 rooms, all heated by steam. Good barn and dwelling for foreman. Paying business established 5½ acres of choice land. Electric cars pass the door. Ill health the cause for selling. For further particulars address B J, care American Florist, Chicago.

FOR SALE.

A SPLENDID OPPORTUNITY for a good live man with small capital. Lease and stock of eight greenhouses with dwelling, store, etc. Stock is in No. 1 shape. An old and well established business in a large and thriving western city. All for sale AT A BARGAIN. Ill health cause for selling. If you mean business address for particulars. A A, care American Florist.

FOR SALE.

10,000 VIOLET PLANTS (Lady Campbell), large and healthy, at $5.00 per hundred; $45.00 per thousand. Cash with order, please.
ALEXANDER GWINN,
16 Grove Street, NATICK, MASS.

HOT WATER PIPE FOR SALE.

Several hundred feet of second-hand 4-inch cast iron hot water pipe and fittings. For prices and particulars address
THOMAS MEEHAN & SONS, Germantown, Phila.

BOILERS FOR SALE

Two No. 3, Style C, **GURNEY HOT WATER DOUBLE CROWN BOILERS**, complete. In use five seasons. Were heating 30,000 square feet of glass for palm growing. Offering for sale because we are increasing our capacity. These boilers cost $450.00 each. We offer for $200.00 each, f. o. b., Riverton, N. J.
HENRY A. DREER, 714 Chestnut Street, Phila., Pa.

FOR RENT.

In South Eastern Pennsylvania, in center of town close to station, 50 miles from Philadelphia, three large greenhouses, about 6000 feet of glass, well stocked with carnations. Good home trade in plants. Terms easy. Address
BOX 367, OXFORD, PA.

FOR RENT.

Five greenhouses, dwelling and stable, in first-class condition, with half an acre of ground, 1369 Sellers St., Frankford. Good locality for wholesale or retail business. Small capital required. Rent low. Apply to
FRED EHRET, 1403 Fairmount Ave., Phila.

GREENHOUSES FOR SALE, CHEAP,

AT RAMSEYS, N. J.

The W. J. Thurston range, consisting of two houses 105x16 ft., one house 150x20 ft., one house 103x16 ft. 6 in., one house 150x11 ft. 6 in., and one sash house 60x10 ft., all heated with Hitchings & Co.'s corrugated fire-box boilers, pipes and fittings, and, in addition to the above, the heating apparatus, consisting of two No. 17 boilers with pipes and fittings, is in place for one house 105x16 ft. and one house 134x20 ft. There are two potting sheds and a stable on the place, which consists of about two acres of land situated at Ramseys, N. J. The above property will be sold cheap to close the estate. Apply to W. J. Thurston, on the premises, or BARGAIN, care American Florist, Chicago.



Send your address for my illustrated catalogue of these superb flowers.
M. B. FAXON, Boston, Mass.



Vaughan's Imported FORCING BULBS FOR THE TRADE.

We are, as usual, prepared to care for orders in this line promptly, with high quality stock and at fair prices, with duty added.

AT NEW YORK AND CHICAGO,

Early Forcing Bulbs are on hand.

PANSY SEEDS for Florists.

Vaughan's "INTERNATIONAL," - - - per oz., $10.00
Vaughan's "GIANT MIXED," - - - - - per oz., 5.00

California Grown

CALLAS

Carefully cured, with sound center shoots, now ready for shipment from our New York or Chicago stores.

SIZES and PRICE:
1¼ to 1½-inch, $5.50 per 100
1½ to 1¾-inch, $7.50 per 100
2 to 2½-inch, $10.00 per 100

These are strains with nine years **record** and with a **pedigree.** We have scores of testimonials. Ask the best pansy grower of your acquaintance for his opinion of our strains of the above mixtures. The new seed is now ready.

VAUGHAN'S SEED STORE, 14 Barclay Street, New York.

Chicago, 84 and 86 Randolph and 208 West Randolph St.

Mention American Florist when writing to advertisers.

PALM Seed.

FRESH ON HAND

For AUGUST DELIVERY.	Per 100	1000	3000
Kentia Belmoreana	$1.25	$10 00	$27.50
" Forsteriana	1.25	8.50	22.50
Pandanus utilis	1.50	12.50	35.00

Above prices are for selected seeds only, of highest germinating power.

J. L. SCHILLER, Rutherford, N. J.

Send orders QUICK.

Fresh Kentia Belmoreana or Forsteriana seed, post or exp. paid, per 1000 $6.50.

Fresh Corypha australis or Seaforthia elegans seed, delivery included, per 1000 $2.75. Seed the *finest*. Samples sent on application. Send for our NEW Price Lists.

H. H. BERGER & CO., No. 220 Broadway, NEW YORK.

BRANCH OFFICE. San Francisco, Cal. (Estab. 1878.)

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

W. and D's. CELEBRATED "Sure Crop" Mushroom Spawn. SPECIAL quotations to LARGE buyers.

ALL KINDS OF BULBS—
Lilium Harrisii, Freesias, Roman Hyacinths, Narcissus, etc., etc. Special prices on application.

WEEBER & DON, Seed Merchants and Growers,
114 Chambers St., NEW YORK CITY.

Please mention the American Florist every time you write any of the advertisers on this page.



PALMS AND FERNS.

The LARGEST STOCK west of New York.

GEO. WITTBOLD, 1708 N. Halsted St., CHICAGO

Bulbs

Of any kind quoted f. o. b. at lowest rates, by

HULSEBOSCH BROS., Englewood, N. J.

ROSES.

CLEAN, HEALTHY STOCK.

Bride, Maids Perle, Sunset, Mrs. Morgan, Niphetos, Testout, Belle Siebrecht, from 2½-inch pots, $3.50 per 100; $30.00 per 1000.

Perle, Bridesmaid, Testout, Mrs. Morgan, Belle Siebrecht strong plants from 3-inch pots, $5.50 per 100; $50.00 per 1000.

SWAINSONA ALBA, 4-inch pots $1.50 per dozen.

I will exchange Roses for young Palms, Pteris tremula, Double Violets and H. P. Roses

JOSEPH HEINL, Jacksonville, Ill.

CELERY PLANTS

WHITE PLUME and GIANT PASCAL.

Field-grown plants at $1.00 per 1000. Cash with order. Samples free.

EXTRA HEAVY TRANSPLANTED WHITE PLUME, $2.00 per 1000; $18 00 per 10000.

C. M. GROSSMAN, Wolcottville, Ind.

CHINESE PRIMROSE PLANTS.

Strong and well grown, ready for 3-inch pots. This grand strain has the NATIONAL and CANADIAN reputation of being the finest yet produced. Single varieties in eight named colors $2.50 per 100; $20 per 1000. Double white, red and lilac, $4 per 100; $35 per 1000. Extra plants added to help pay expressage. Adams and U. S. express

JOHN F. RUPP, Shiremanstown, Pa.
Chinese Primrose Specialist.

Otaheite Oranges

Bear in mind that we shall have a fine lot of well fruited Otaheite Orange Trees for Christmas delivery.

CHAS. ZELLER'S SONS,
29th Ward, BROOKLYN, N. Y.

OUR PANSIES

same high grade that has made them famous over 15 years. We continue adding the world's best and select yearly choice plants for our seed. Plants, $5.00 per 1000, 75c per 100. Seed, $1.25 per ¼ oz.

DANIEL K. HERR, Rider Ave., Lancaster, Pa.



H. Wrede,

LUNEBURG, GERMANY.

PANSY SEED.

133 First Prizes, the highest awards World's Fair, and Hamburg, 1897.
1000 Seeds, finest mixed 25c.
1 oz. " " $3.75

Price List on application. Cash with order.

Pansies Worth Raising.

NEW CROP SEED of this POPULAR VARIETY.

3-16 ounce	$1.00
1-2 "	2 25
1 "	4.00

CASH WITH ORDER.

C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

FOR SALE.

PRIMROSE PLANTS, ready for 3 and 4-in. pots, $2.50 per 100.

CASH WITH ORDER.

M. & S. DYSINGER, Albion, Mich.

Toronto.

VISITING SCIENTISTS — CANADAS GREAT FAIR.—A COMMITTEE VIEWS MR. UTLEY'S SWEET PEAS.

The British Association for the advancement of science (as well as many members of the American Association) has been holding its annual meeting in this city from the 18th to the 25th, and its members have been pouring forth such floods of the profoundest learning that it will take us at least ten years to digest it. The number of them is not so very great but what they lack in quantity they make up most amply in quality. The botanical papers read were "away up in G" but all the same most interesting and of a kind it is not often our privilege to hear. After the meeting the members will scatter all over the continent to get some idea of its wonders and the vastness of its resources.

An essay read the other day was entitled "A theorem concerning the coefficients of linear substitution groups of finite order with N variables" and was listened to with rapt interest. Subjects of this kind have now become quite common-place and almost vulgar to the ordinary Torontonian.

The exhibition—"Canada's great fair"—opens on Monday next and owing to the favorable conditions of agriculture promises to be a greater success than ever. The horticultural show is likely to be better than it was last year.

A committee consisting of Messrs. Geo. Vair, T. Manton, G. Mills, C. Ross and A. Ewing, wended their way to the sweet pea "farm" of Mr. E. Utley on the outskirts of the city on Monday last, more particularly to examine some varieties not yet in commerce of which Mr. Utley had received a few seeds from the Sunset Seed Co., of California, but also to take in the beauties of anything that might be found on Mr. Utley's pretty place. And I may say here parenthetically that the committee was treated with the utmost cordiality by Mr. and Mrs. Utley and their daughters (all of whom are sweet pea experts), and being in a receptive state of mind and body took in other good things besides sweet peas. The committee was inclined to judge the seedlings more from a commercial standpoint than from a "sweet pea fanciers" point of view and two or three varieties which were quite distinct and of good form were put down as "dirty colors." No. 106, a pale flesh, a little darker than Eliza Eckford, was considered an improvement and worthy of cultivation. No. 110 contained two varieties, one a purple violet self, unlike any other and very pretty, the other a delicate blush pink, very taking and one that would sell well. This pea struck the committee as being the best of the lot. No. 205, a striped lilac on white, very pretty and a slight advance on other sorts. No. 206, very similar to Senator, a fine robust grower. The committee also complimented Mr. Utley on a bed of very fine petunias. E.

TOLEDO, O.—Im Oberstag Bros. have succeeded John Wilson, having purchased the Wilson greenhouses and business. Mr. Wilson has retired from the florist business and is at present living in New York.

FREMONT, NEB.—Green & Nicol have rebuilt their carnation house 15x116 giving it a modern roof in place of the old low one. They have also built a violet pit 9x90. Their violets were very fine last year and they trust the increased space will enable them to meet the demand for fine violets.

PROOF POSITIVE

That for years our Evaporating Pans are what every **wide awake florist** has been looking for.

Listen to what a progressive florist has to say:

GERMANTOWN, PHILA., Aug 23, 1897.

MR. EDWIN LONSDALE, Chestnut Hill, Phila, Pa.

Dear Sir:—I used 18 of your Evaporating Pans last season in three rose houses 100x20. From October 1st, '96 to May 1st, '97 the plants were kept free from greenfly without the aid of smoking. I consider the pans great labor savers.

Yours truly, JOHN WELSH YOUNG.

Read our advertisement in convention and next following numbers of AMERICAN FLORIST for some other particulars respecting this process.

Twenty years ago we felt sure that some other plan than "smoking" would be evolved for killing greenfly in greenhouses, and not until the last year or so has it become an assured and a positive fact.

PANS $1.25 Each. Six are recommended for a 100 foot house. TRY AT LEAST ONE HOUSE, and NOW is the time to make the necessary preparations.

For additional particulars write to

EDWIN LONSDALE, Chestnut Hill, Phila.

CASH WITH ORDER.

NEW CROP SEED NOW READY

OF

Zirngiebel's Standard Pansies.

Silver Medal in Boston, and First Prizes everywhere.

"HUGE JEWELS OF VELVET AND GOLD."
—*Boston Transcript.*

GIANT MARKET and GIANT FANCY Strains, in Trade Packets at One Dollar each.

DENYS ZIRNGIEBEL, Needham, Mass.

BOUGAINVILLEAS.

Beautiful for "cutting" or pot sale.

Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests

Send for "Comments and Facts."

THEO. F. BECKERT Glenfield, Pa.

9 miles below Pittsburg, Pa.

SMILAX! SMILAX!

Strong plants, from 2-inch pots, $2.00 per 100; $15.00 per 1000. Extra strong, from 3 inch pots, $3.00 per 100, $25.00 per 1000. 20,000 fine plants.

W. T. & F. P. BUTZ,

Successors to Paul Butz & Son. NEW CASTLE, PA.

VIOLETS—MARIE LOUISE.

Our stock is, and always has been perfectly healthy.

	Per 100	Per 1000
2½-INCH POTS	$3.00	$25 00
FIELD-GROWN	1 00	35.00

CARNATIONS—Daybreak, Tidal Wave and Silver Spray $3 00 per 100. Good stocky plants.

Cash with order. *DREHER & SMELY, Sibley, Ill.*

	Per Doz.
SMILAX, strong, 3-inch	$ .35
CYCLAMEN, strong, 3-inch	1.00
PRIMULAS, strong, 3 inch	.60

Cash with order, or exchange for small Palms.

W. P. RANSON, Junction City, Kan.

STOCKY. FIELD-GROWN **CARNATIONS.**

New and standard vars., $5.00 per 100 and upward.

GEO. HANCOCK & SON, Grand Haven, Mich

NOW WE HAVE IT.

A Perfect . . . Carnation Support.

We will send you a sample free if you pay express charges, which will convince you that it is all we claim.

The only support *highly commended* by the judges of the "S. A. F." convention at Providence, R. I., August 17, 1897.

James Horan & Son,

FLORISTS,

BRIDGEPORT, CONN.

PANSY SEED.

	Per Oz.	Per Lb.
Mitting's Giant Mixture	$4 00	$40.00
Fiery Faces Mixture	1 00	50.00
Giant German Mixture	2.50	20.00
Small Fancy, in 100 colors	3.00	50.00

PANSY PLANTS.

NOW READY, from the finest strain, from expert pansy growers, 75 cts. per 100; $4.00 per 1000.

COLEUS.

2 inch, 20 varieties, named . . . $1.75 per 100
2-inch, 20 varieties, not named . . . $1 50 per 100

These are fine plants; will be good for stock. They are up to date varieties.

THE MORRIS FLORAL CO., Morris, Ill.

Established 1865. 20,000 sq. ft. glass. Incorporated 1897.

PANSIES.

The JENNINGS STRAIN of finest American grown Pansy seed. New crop now ready. Grown from finest selected stock only. All large flowering in great variety, of most beautiful colors.

The following complimentary letter is one out of hundreds received:

BUFFALO, N. Y., June 8th, 1897.

MR. E. B. JENNINGS Dear Sir:—The Pansy Seed supplied by you last August produced the finest lot of flowers I have ever seen. They were uniformly first-class. Send me one ounce of your best mixed as soon as ready. Respectfully, WM. SCOTT.

Finest mixed, per pkt. of 2500 seeds, $1.00; ½ oz. $3.00; 1 oz $6 00; 3 ozs $15.00. Yellow, black, white, blue, in separate colors, $1.00 per pkt.; half pkt 50 cts.

Cash with order. **E. B. JENNINGS,**
Lock Box 254. **Southport, Conn.**
Grower of the finest Pansies.

	Per 100
SMILAX—Strong 1 year	$1.50 and $2 50
CLEMATIS—Leading kinds for fall	
PÆONIAS—Herbaceous, choice asst	8 00
NARCISSUS—Double and single Poets	75
RED JACKET COOSEBERRIES—Very low prices.	
DOWNING COOSEBERRIES—1 and 2 year.	
DAISIES—Snowflake and Snowdrift	2.00
H. P. ROSES—In assortment	10.00

F. A. BALLER, Bloomington, Ill.

PRIMROSES.

	Per 100
7000 Primroses, single mixed, ready for 3-inch pots	$2.50
1200 Chrysanthemums, 20 vars., 5-inch pots	8.00
1000 Cinerarias, ready Oct. 1st	2.00
500 Carnations, field-grown	5.00
Pansy plants per 1000 $3.50,	60
Pansy seed ½ oz. $2 00, oz. $3.50.	

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, O.

For Sale.

SMILAX, 2½-in. $15 per 1000; $2 per 100.
PERLE ROSES, 4-in. $7, 3-in. $5 per 100.
METEORS, 4-in. $7 per 100.

POEHLMANN BROS., Morton Grove, Ill.

ROSES—Clean, strong and carefully grown.

AMERICAN BEAUTY, 3-inch $8 00, 3½ and 4-inch $12 per 100. **PERLE, METEOR, BRIDE, LA FRANCE** and **KAISERIN,** 3½-in. $6.00; 4-in. $7.00 per 100. **BRIDESMAID,** special prices for cash

Special rates on quantities. **A. S. MacBEAN, Lakewood, N. J.**

Single Violets.

	Per Doz.	Per 100
Princess de Galles	$1.00	$7.00
Princess Beatrice (new)	1.00	7.00
Admiral Avellan (new)	1 00	7.00
Luxonne	.75	5.00
Petite Blue	.75	5.00

IMPORTANT NOTICE:—All plants are healthy, not diseased nor degenerated; each kind true to name. All stock grown in cold frames without artificial heat of any kind.

SINGLE VIOLETS MY SPECIALTY.

All good kinds furnished on application.

FRANCOIS SUPIOT,

57th St. & Lancaster Ave., PHILADELPHIA

FIELD-GROWN

CARNATIONS

	PER 100
STANDARD VARIETIES, 1st size,	$7.00
" " 2nd size,	5.00
MRS. C. H. DUHME,	10.00
MRS. GEO. M. BRADT,	12.50

F. DORNER & SONS CO.,
LA FAYETTE, IND.

H. WEBER & SONS,

CARNATIONS,

OAKLAND, MD.

ROSES. Extra fine stock, clean and healthy.

BRIDE and BRIDESMAID, from 2½-inch pots, $20.00 per 1000; $2.50 per 100.
BRIDE and BRIDESMAID, from 3½-inch pots, $35.00 per 1000; $4.00 per 100.
GERANIUMS, 3 inch, $4.00 per 100.
CUT SMILAX, 12 cents per string.
TERMS CASH.

NATIONAL PLANT CO., Dayton, O.

When writing mention the American Florist.

STILL HAVE SOME FINE

Perles, Kaiserins, and Brides.

Strong plants. Will close out cheap.

EXTRA STRONG 2-INCH SMILAX, at $15 per thousand.

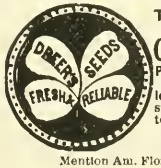
GEO. A. KUHL, Pekin, Ill.

For MILDEW on ROSES

CARNATION RUST, FRUITS AND VEGETABLES.

USE FOSTITE; 5 lbs. 50 cts.; 25 lbs. $2.00.

C. H. JOOSTEN, Importer of Bulbs, Plants, Seeds.
193 Greenwich St., NEW YORK.
Mention this paper.



TRY DREER'S

GARDEN SEEDS,

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER,
Philadelphia, Pa.

Mention Am. Florist when writing.

10,000 FIRST QUALITY FORCING ROSES.

Fully equal to those sent out the last four years, first-class in every respect. Only selected growth from flowering shoots used in propagating.

*WOOTTON,	LA FRANCE,	AM. BEAUTY,	BELLE SIEBRECHT,
METEOR,	BRIDESMAID,	KAISERIN A. V.,	SUNSET,
*BON-SILENE,	*SAFRANO,	PERLE,	*GONTIER,
*MME. HOSTE,	*BRIDE,	*MERMET,	

3-inch pots, $5.00 per 100. *4-inch pots, $8.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

HERR'S PANSIES

ARE

THE BEST.

SEED, $1.25 per 1-4 ounce.
PLANTS, $5.00 per 1000; 75c. per 100; 2,500 for $10.00.

ALBERT M. HERR,
LANCASTER, PA.

8000 CARNATION PLANTS. 8000

As fine as can be grown anywhere, 4 and 6 cents each according to size and variety. Honest samples at same prices.

VARIETIES—DIAZ ALBERTINI, SCOTT, DAYBREAK, SILVER SPRAY, METEOR, PORTIA, GARFIELD, GRACE WILDER, BUTTERCUP, TIDAL WAVE.

Also 2000 fine MARIE LOUISE VIOLETS, and 500 VINCAS, field-grown, variegated and green.

FRANK BERRY, Fairview Greenhouses, Stillwater, Minn.

CHOICE STOCK

CYPERUS ALTERNIFOLIUS, 2½-inch pots, ready to shift.

GREVILLEA ROBUSTA. 2½-in. pots, ready to shift, 40c per doz; $2.50 per 100.

SMILAX, 3½-inch pots extra strong.

ASPARAGUS TENUISSIMUS, 3½-in. pots, 50c per doz.; $3.50 per 100.

Also several thousand **CHRYSANTHEMUMS,** nice soft healthy stock, 2-inch pots.

Our selection from good commercial sorts, $2.00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

ORCHIDS the Finest Stock in the World. **ORCHIDS**

For Florists.

SANDER, ST. ALBANS, ENGLAND, and BRUGES, BELGIUM.
AGENT:
A. DIMMOCK, 114 Chambers St., N. Y. City.

H. P. ROSES for forcing.

Clematis, Rhododendrons, Magnolias, Hardy Azaleas, Tree Roses, Etc.

L. C. BOBBINK, Rutherford, N. J.
Branch Horticultural Co., Boskoop, Holland.

ROSES for FORCING.

750 BRIDES, 600 MAIDS, 750 METEORS, 125 PERLES. In 3½-in. pots at $3.50 per 100.

Elegant clean stock. If you are in want of any speak quick.

A. G. PRINCE & CO.,
88 WABASH AVE., CHICAGO.

ROSES for FORCING

About 300 PERLES, from 4-inch pots left. Can now be had at a bargain.

VIOLETS for immediate planting, Lady H. Campbell. No disease, fine stock, 2½-inch pots.

100 SWAINSONA, 3-inch pots. Write for prices.

CRABB & HUNTER, Grand Rapids, Mich.
Mention American Florist

VIOLETS.

Strong, field-grown plants from cold frame; stock never had disease.

MARIE LOUISE, CZAR, SWANLEY WHITE, $30 per 1000; $17 per 500; $4 per 100.
CASH WITH ORDER.

E. McNALLY, Anchorage, Jefferson Co., Ky.

PRIMULA CHINENSIS, 2-inch pots ..... $2.50 per 100, $20.00 per 1000

PRIMULA, transplanted seedlings, from flats $1.50 per 100.

FERNS, 3-inch pots..... $5.00 per 100

CARNATIONS. Field grown Lizzie McGowan and Scott. Write for prices.

VIOLETS. Marie Louise, strong field grown. Write for prices.

HYDRANGEA HORTENSIS, rooted cuttings..... $2.00 per 100

SWAINSONA..... $2.00 per 100

ABUTILON Souvenir de Bonn and Golden Fleece...$3.00 per 100

GERANIUMS. Rooted cuttings.... $1.50 per 100, $12.00 per 1000

C. LENGENFELDER.
Lincoln and Berteau Avenues, CHICAGO
Mention American Florist

The Cottage Gardens,

QUEENS, L. I.

SPECIALTIES IN

CARNATIONS, CHRYSANTHEMUMS, CANNAS, GERANIUMS, DAHLIAS.

Send for our Price List.....

E. G. HILL & CO.,

Wholesale Florists

RICHMOND, INDIANA.
Always mention American Florist.

CARNOTS.

375 fine plants, 3-inch pots; will sell cheap, or exchange for good Meteors.

HOPP & LEMKE, Paul P. O., Mich.

FINE PLANTS.

Very low prices.

	Per 100
3½-inch MAIDS, fine	$4.50
3-inch	3.00
3-inch METEORS	2.50
2-inch MAIDS and METEORS	2.00

All worth twice the price asked. Will please you.

5000 Standard varieties of CARNATIONS. Write for prices.

W. H. GULLETT & SONS, Lincoln, Ill.

WE DO NOT NEED THEM. DO YOU?

GOOD, CLEAN STOCK ROSES.

700 Beauties, 2¼-in. pots, 4c. 300 Meteor, 500 Bridesmaids, 400 Brides, 2½-inch pots, 2c.
600 Brides, 150 Woottons, 150 Bridesmaids, 4-in. pots 5c. Send 10 cts. in stamps for samples.

COLE BROS., Peoria, Ill.

Louisville, Ky.

PICNIC OF KENTUCKY SOCIETY OF FLORISTS —VARIOUS PERSONAL ITEMS.—MARKET CONDITIONS.

The Kentucky Society of Florists gave their annual picnic on Thursday, August 19, which was attended by a large number of florists. They reported a very enjoyable time.

Mr. J. E. Marrett, accompanied by his wife, has been to Yellowstone Park, and at present is in Michigan.

Victor Mathis has equipped his place with the latest improvements, among other things adding a new boiler to his plant.

Mr. H. Fuchs has added a new house to his plant.

Mr. Jacob Schulz has about completed his residence, which was very much damaged by fire a few weeks ago. Mr. Schulz was in New York at the time of the fire.

Mr. J. Coenen's young stock is looking very fine, and he expects to make quite a display at the fall chrysanthemum show.

Mr. E. G. Reimers has just returned from his summer trip. He was accompanied by his wife and two sons.

Mr. J. Thompson has been elected superintendent of Jacobs Park.

Mr. Fred. Haupt, wife and daughter have returned from Michigan after an absence of three weeks.

The flower trade is very quiet at present, but florists are looking for a good fall trade. FRED. HAUPT.

Columbus, O.

ASTERS DISEASED.—REBUILDING —PERSONAL ITEMS.

There is complaint among the florists about their asters, which indeed look poorer than they were ever known to look. A sort of fungous disease seems to have played havoc with all the varieties, the result being that asters are scarce.

The Franklin Park Floral Co. contemplate adding three more houses to their plant. Mr. Knapp, their genial manager, reports a steady improvement and entertains the most sanguine hopes as to the coming season.

Mr. Livingston is busy getting out his fall catalogue. A few new features will be introduced, which promise to make it very attractive.

Mr. Danzer, with Livingston's Sons, is enjoying a week's outing in Detroit.

Mr. S. F. Stephens has overhauled his greenhouses, having things in fine shape. HOMO.

IN THE advertisement of C. M. Grossman, page 47 of our convention number, through a typographical error that gentleman is made to offer extra heavy transplanted White Plume celery plants at $2 per 100 and $18 per 1,000, when it should have read: $2 per 1,000 and $18 per 10,000.

WINTZER'S
New Pedigree Cannas.

PHILADELPHIA—The finest crimson.
MAIDENS BLUSH—Color of Daybreak carnation.
ALSACE—Nearest pure white. And many other choice new kinds of our own introduction.
Write for special list. THE CONARD & JONES CO., West Grove, Pa.

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COLOR CHART
is now accepted as the standard in preparing color descriptions, by many foreign houses as well as in America.
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	Per 100
ASPARAGUS SPRENGERI, 2½ in	$10 00
" PLUMOSUS, 2½ in	8.00
BAY TREES 7 ft., with 24 in. heads, pair $15.	
CHRYSANTHEMUMS, all the leading var., 2 in	3.00
CANNA BURBANK, each 75c. per doz $8.00	
FERNS Adiantum Farleyense, 2½ in	10.00
" " " 4 in	40 00
" Pteris Tremula and Serrulata, 2½ in	4 00
" in assortment for Ferneries	4.00
GERANIUMS Double New Life, Mme. Bruant, and Fleur Poitevine	8.00
SMILAX, extra strong, 2 in	2.50
VIOLETS, California, field clumps	5 00
CHINESE PRIMROSES in separate colors, strong, 2 in	3.00

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of the following leading varieties:
Alaska, Della Fox, Eldorado, McGowan, Minnie Cook, Portia, Tidal Wave and William Scott, $6.00 per 100. Harrison's White, Mayor Pingree, Lily Dean, Mrs. H. Duhme, Mrs. Geo M. Bradt, Maud Dean and Morello, $12.00 per 100.

ROSES
CLEAN, HEALTHY STOCK.
Brides, Bridesmaid, Perles Kaiserin, La France, 2½-in. $4 00. 3½ in., $9 00 per 100.
Mermets Mme. Hoste, Meteors, 2½ in., $3; 4 in., $7.
American Beauties, 2½ in., $5; 3 in., $7; 3½ in., $10

Grand Offer for Two Weeks
IN FERNS.

For Jardinieres:
Adiantum cuneatum, pubescens,
Pteris albo-lineata, cretica cristata, serrulata,
Fine bushy stock from 2¼-in. pots, $3 per 100; $25 per 1000.

Cocos Weddeliana, 2½-in. pots, strong, $10 per 100

Alsophila Australis:
4 in. pots . . . . . 35 cts. each, $ 4.00 per doz.
5-in. pots . . . . . 75 cts. each, 8.00 "
7-in. pots . . . . . $1.25 each, 12 00 "

Nephrolepis cordata compacta:
3-in. pots, strong and bushy . . . . . $15.00 per 100
4-in. " " " . . . . . 20.00 "

5-in. pots, strong and bushy . . . . $35.00 per 100
8-in. " specimens . . 75 cts. each, $8.00 per doz.

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Grand lot of beautiful plants.
6 in. pots, 20 to 24 inches high . . . . $50.00 per 100
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in variety; well grown; reasonable prices. Send stamps for samples.
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CARNATIONS from field, Victor, Daybreak, Scott, McGowan, K. Clover and Eldorado.
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You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

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3 ft. x 6 ft., 3 rows 10 in. glass.
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Not glazed, 1¾ in. thick.

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4-in. pots, 12-15 inches high	3.00	25.00
5-in. pots, 20-24 inches high	6.00	50.00

COCOS WEDDELIANA.

3-inch pots	$3.00	$25.00
4-inch pots, single stem	5.00	40.00
4-inch pots, bushy, 3 plants in a pot	5.00	40.00

KENTIA BELMOREANA.

2-in. pots	$	$12.00
3-in. pots, 8-12 in. high, 4-5 leaves	3.50	25.00
4-in. pots, 12-15 in. high, 4-6 leaves	4.50	35.00
5-in. pots, 18-20 in. high, 6-7 leaves, stocky	9.00	75.00

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3-inch pots, 12-15 inches high		15.00
4-inch pots, 15-18 inches high	4.50	35.00

LATANIA BORBONICA.

3-inch pots	$	$10.00
4-inch pots, 12-15 inches high	3.00	25.00
6-in. pots, 18-20 in. high, stocky	9.00	75.00

PHŒNIX RECLINATA.

	Per doz.	Per 100
4-inch pots, 12-15 inches high	$3.00	$25.00
5 inch pots, 15-18 inches high	6.00	45.00

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5-in. pots, 20-24 inches high, 3 plants in a pot $6.00 $50.00

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2-inch pots. $15.00

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4-inch pots, 10-12 inches high, 7 leaves $4.50 $35.00

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5-in. pots, 12-15 inches high, 7-8 leaves, strong $1.50 each, $18.00 per dozen.

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	Per 100	Per 1000
3-inch pots	$7.00	$65.00

ASPIDIUM TENSIMENSE.

3-inch pots. $8.00 $75.00

ASSORTED FERNS.

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SMILAX.
VIOLETS.

Prices low. Send for list.

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Mention American Florist.

Cincinnati.

A few days ago a little party of florists and the writer of this visited our city parks, the first on the program being Eden Park. Here we found the city greenhouses, of modern construction, with Mr. Scheibele in charge. We expected to see some well grown plants as well as bedding, but alas to our disappointment, with the exception of a collection of new and rare fancy-leaved caladiums there was nothing to be seen worthy of note.

From here we wended our way down to the Eden Park reservoir and pumping station and found Ernest Breyer in charge of the city water works greenhouses, and may it be said, here we were repaid for our trip. One immense large bed of scarlet geraniums planted in the shape of a clover leaf could be seen from far away. The large vases along the reservoir with their drooping vines made a striking effect. Carpet bedding is still one of the main features here, and they all made a good showing. One which caught my eye in particular was a Maltese cross about 20 feet in diameter; some 7 000 plants were used for this bed alone; 35,000 Alternanthera paronychioides major were used in these beds. The rockery along the hillside, the semi-tropical beds in front of the office with rare and beautiful foliage and the large vases around the fountain gave evidence of art and skill. Everything seen here was in excellent condition and Mr. Brever deserves credit for his work.

Lincoln, Washington and Garfield Parks are mostly all planted with large canna beds, which have been the admiration of the flower loving public. These parks are all planted from the city greenhouses.

C. A. Peters, of Huntington, W. Va., formerly of this city, has been visiting his old friends here.

R. Witterstaetter has his new houses about completed and his boiler set. We expect to see some choice carnations from these houses. H. SCHWARZ.

Milwaukee, Wis.

Mr. Fred. Holton, late proprietor of the Paris Floral Co., and Mr. Herman Hunkel, who has been with Currie Bros. for some time, have formed a partnership and will conduct a wholesale cut flower establishment. The stock and good will of the Wisconsin Flower Exchange will be merged in the new concern. The stock and office will remain at the old stand of the Wisconsin Flower Exchange until larger quarters can be secured. The new firm starts in with large consignors from near Milwaukee and Chicago and promises to be a strong concern.

C. B. W.

Don't.

Above is our advice to "Marks" who asks as to the wisdom of painting the hot water pipes in his greenhouses.

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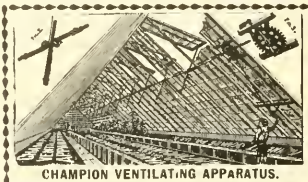
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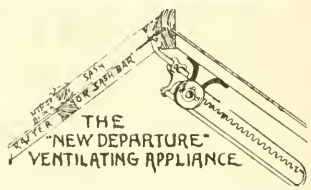
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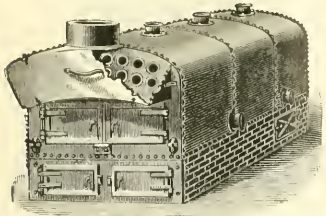
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UP TO 32 FEET IN LENGTH OR LONGER.
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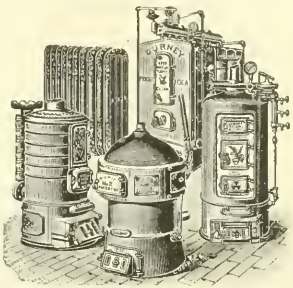
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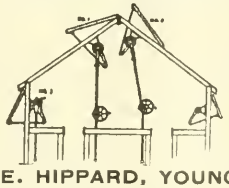


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MR. WM. WARNER HARPER, who has for years been manager of the Andorra Nurseries at Chestnut Hill, Philadelphia, is now proprietor.

DECATUR, ILL.—Mrs. Katherine Daut has built two commercial houses, one 20x102 and one 11x102. She will also build a rose house 16x60.

DEERING CENTER, MAINE.—Calvin S. Goddard, senior member of the firm of C. S. Goddard & Son, died suddenly on the morning of August 4, aged 72 years. He had been engaged in the florist business here for about 25 years.

COLORADO SPRINGS, COLO.—The great floral carnival, August 17, 18 and 19 was the fourth annual affair of the sort and was far ahead of any of its predecessors. The interest in the event grows greater each year. The bicycle section was this year unusually elaborate, among the features being a floral arch carried by three wheels, with four other wheels as outriders.

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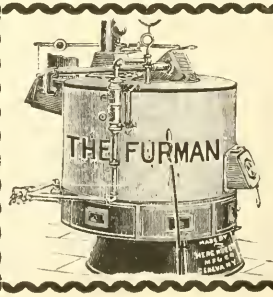
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THE AMERICAN FLORIST

A WEEKLY JOURNAL FOR THE TRADE

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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The fourteenth annual meeting will be held at Omaha, Neb., August, 1898.

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MANSFIELD, O.—Geo. W. Hunt has just finished a new house 16x70.

KANKAKEE, ILL.—Faber Bros. have built this summer a rose house 17x77, a carnation house 17x65, and one 17x65 for smilax and ferns. All are glazed with 16x20 glass and have all modern improvements. Heating by hot water and steam.

COE RIDGE, O.—S. A. E. Lyman, proprietor of the Essex Farm and Greenhouses has this summer erected three houses each 20x100, heated by steam. Two houses are planted to roses and one with chrysanthemums, all looking well.



Carnation Notes.

I see notices in the trade papers of a paper recently presented before the American Science Association, intimating that the stings of the aphis and thrip are the primary cause of basteriosis. It would be very desirable to have such valuable information given in full in the trade papers for the benefit of the carnation growers. Florists are not satisfied any more with given points; they would like to know on what a theory is based. From the bits of information gleaned here and there we are to believe that we do not see or observe aphis and thrips.

As to the flea-like thrip it takes rather close observation to notice them, when not made aware of their presence by their depredations, and I must confess I never have seen any yet on carnations, but will admit that they may have escaped my notice, and in the future I will try to have an eye on them before they hop out of sight. But who will not notice the tenacious aphis or greenfly? When one is not seen one day it surely will be noticed the next when it has multiplied to a dozen and, they will not hop away and hide either. And this well known and easily observed insect is mentioned as the most prominent of the two to be the primary cause of bacteriosis.

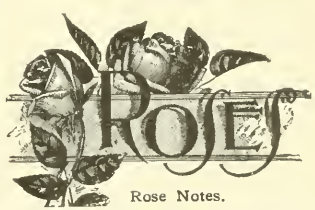
In my experience and observation as a carnation grower I have noticed that wherever aphis made its appearance bacteriosis did follow, and undoubtedly it will be the same where thrip is present. In this I am of the same opinion as Mr. A. W. Woods, but as to this being the only cause my experience as a carnation grower tells me different. I have noticed a hundred times where bacteriosis appeared without any primary cause other than careless or improper treatment. Where through carelessness the aphis gains a foothold, the doors are wide open for bacteriosis and any other disease. Thrips, and especially aphis, we can see at a glance, but bacteria being so minute we can only tell by the yellow spots in the leaves. If these yellow spots are caused by anything else than bacteria it will be very interesting to the carnation grower to know it, but that aphis and thrips are the only cause I can hardly believe. FRED. DORNER.

Not the Rust.

After having my carnations in the house for a few days I find Daybreak affected with a disease shown by the accompanying foliage. Is this rust? Can you give a remedy? C. H.

No, there is no rust. All the disease I can notice are a few bacteria spots. The plants will outgrow these in a short time. The disfiguring of the leaves and the small holes in them were caused by an insect making a meal on the young shoots. It is most likely a small yellow beetle which I have often noticed in the field feeding on the flowers and young leaves before they are fully unfolded. There is no cause for alarm at all. Many things may take place in the field we do not take much notice of, especially the plants being attacked by insects, aphis and thrip included. When the young and undeveloped leaves are injured by fungus, bacteria or insect bites, it stops the growth of the injured part, while the rest of the leaf grows on. This growing around the injured part often gives the leaf a cramped and twisted appearance, but that will all be outgrown in the house under good care.

FRED. DORNER.



Rose Notes.

We have already had in this section two quite chilly mornings with the thermometer down to 55°, and we are reminded that the date when firing must commence is not a great way off. A large number of growers will be making, or contemplating making, changes in their system of piping and heating. I would remind such of the importance of having the work finished up rapidly so as to be ready for any kind of weather that we may happen to have. I have noticed that the average florist generally counts on a good deal more time before cold weather than he has a right to calculate upon, while on the other hand the work he has laid out to do almost invariably consumes more time than he at first supposed, and it happens not infrequently that he has many anxious nights and rushing days before he has the satisfaction of seeing the changes all completed. To retire to rest at night in doubt as to whether a house or a number of houses of roses will be spoiled before morning is not a very pleasing experience, yet many of us can recall the time when we were in just that kind of predicament.

We may perhaps be lucky enough, or

clever enough as the case may be, to bring our plants through a number of very cool nights without any serious harm resulting, but we are nevertheless taking considerable risk, and in these times of over-production, low prices, and small profits we cannot afford to take any risk that is not positively unavoidable. In my opinion the only safe course to pursue from now until steady firing commences is to provide for a free circulation of air in the houses all through the night, and whenever the outdoor temperature falls below 60° start the fires sufficient to warm the pipes. To those having only a limited experience it may appear foolish and a waste of time and material to furnish artificial heat and then allow it to escape through the open ventilators. The object of firing at this early date is not simply to maintain a given temperature, which though desirable is not of prime importance; it is intended in the first place to keep the air in motion and prevent that stagnation which coupled with a low temperature is responsible for condensation and its attendant evils. We have all seen on cool mornings in the fall, when the other conditions were favorable, drops of water on the edges of the foliage; glistening in the sunshine they are very beautiful and not at all calculated to alarm us; they are, however, a sure index that something in the atmosphere antagonistic to the rose has been at work, and unless the warning is heeded, and the conditions are changed, trouble is bound to follow. Many a beginner whose breast has swelled with pride over the fine appearance of his plants has suddenly become crest-fallen and sad as he has seen the foliage drop prematurely leaving little except bare sticks. Had he known enough to leave his ventilators open and start a slow fire his plants would have been safe.

To guard against black spot on Beauties, and insure properly formed and well colored blooms on the Meteor, it may be necessary to fire for them before we are obliged to do so for such varieties as Bride and Bridesmaid. I have found that when Meteor once starts to produce black buds it is very liable to continue to do so for some time.

Where steam is used for heating it is much easier to keep down mildew than is the case with hot water; one small steam pipe coated with sulphur will do more good in this direction than would a dozen 4-inch hot water pipes. I believe it would pay on a medium sized or large place to put in a steam plant for this purpose alone, that is, to use in the late spring and early fall when one or two pipes would be sufficient; one medium sized steam boiler would carry a number of houses and would consume less fuel I think than would be needed to keep slow fires in several hot water boilers.

If our plants are growing vigorously they will now be covered with buds, and we may feel inclined to try and convert some of them into cash instead of consigning them to the dump. Don't let us be in too big a hurry; it is a mistake to attempt to cut flowers from very small plants; such bloom must naturally be small and short stemmed, and is practically of no value; the few dollars that we realize from it will barely cover the expense of cutting, storing, packing, and marketing, and cannot possibly offset the damage to the plants through loss of wood and foliage; it were far better I think to leave the wood where it belongs and build up large and strong plants that will be able to produce flowers abundantly when they are ultimately in demand and have some real value.

ROB'T SIMPSON.

Miscellaneous Seasonable Hints.

I have noticed for many years and sometimes to my cost that when there is nothing very pressing you are apt to delay work because there is "plenty of time." Postpone nothing that can be done at once for you will get busier now every day. A month from now you will have three times the work staring you in the face and realize that it must be done. My notes are reminders, and if repeated must be excused.

BULBS.

Don't delay in getting your Bermuda lilies potted as fast as they arrive. They don't improve by being left out of the ground. Roman hyacinths and paper white narcissus are here. If very early hyacinths are wanted put some in flats at once. For the earliest there is no better place than out of doors, for they will be brought into the greenhouse before any frost will hurt them. In a flat 1 ft. x 2 ft. and 3 inches deep you can put 60 bulbs. Water thoroughly, place the flats out of doors on a dry spot and cover with 3 inches of soil or tan bark. If it rains occasionally, say once a week a good heavy shower, no more watering is needed, but if two or three weeks of dry weather should come the beds should be well soaked once a week. The same treatment will do precisely for paper white. For the main lot of these bulbs, or those you want to flower from the holidays on, keep them in boxes in the coolest seed you have and if the material in which they are packed is perfectly dry they will meet no harm for five or six weeks. The paper white narcissus is chiefly useful to us at Christmas, and if planted in flats by middle of September and given six or seven weeks outside and the same time in a moderately cool house, they are an acceptable flower and find a place when flowers are scarce, but when forced in strong heat are very flimsy.

CHRYSANTHEMUMS.

Your chrysanthemums will daily want more of your care and attention, and do not neglect proper tying. Keep laterals pinched off regularly once a week. Now is the time they are making their most rapid growth and as the beds are filled up with roots water can be given freely. It is yet a little early to mulch or give liquid manure. When the flowering bud is distinctly seen and selected will be time enough for that. Next to a good soil the greatest requisite for producing a good chrysanthemum is perfect light and all the fresh air possible. In traveling round I still find lots of men growing their pot 'mums in pots the whole summer. This is a great mistake unless it be for specimen plants. Those that planted them on a bench in five or six inches of soil in June will now have nice bushy plants if they have been stopped occasionally. Don't be a day later than September the first in lifting these plants from the bench and potting. If kept a little close and shaded for a few days they will not lose a leaf. When once making roots in the pots they want air and sunshine in abundance.

VIOLETS.

If you still grow violets in the field, lifting and planting in the houses in the fall, as doubtless hundreds do yet, I would advise that they be housed early in September. The heavy dews we get from middle of Semtember and later is doubt very conducive to the spot and I have seen violets that were entirely free of it all summer become badly attacked towards end of September. Some might say the violet will stand any amount of syringing. That is true, but when you syringe the foliage the moisture soon dries up while the dew remains on the leaf from sunset till hours after sunrise and we all know that moisture is just where the spores of our low plant organisms flourish. Another will say "The plants left in the field or cold frame come out all right, showing no disease the following spring." The plants left it the field have been under their natural conditions and have thrown off the attacks of their enemy, while those lifted and weakened are in no condition to throw off disease.

CYCLAMENS.

Cyclamens that have been plunged out of doors and only shaded from the hottest sun are doing finely. Shift the strongest into 5 or 6 inch pots, but still keep them out of doors, plunged in some material, and where they will have no chance of water troubling them at their roots. The next two months is just when they will make a fine growth. Remember a rather coarse mixture of good loam with a fifth of rotted manure and plenty of drainage is what this beautiful winter flowering plant enjoys.

GERANIUMS.

Now don't forget that if you put in a lot of geranium cuttings the first week of September you will, unless we have an early hard frost, get another good crop by early October, and few of us have too many of these useful plants when spring comes.

WM. SCOTT.

Herbaceous Plant Notes.

The great majority of our hardy plants are readily propagated by simply dividing the old clumps into one or more crowns and in all cases where plants grow and increase freely, we need not resort to any other way, but there are also a number of plants which are either very slow in producing new side crowns with roots attached to them or these crowns show no inclination whatever to form any roots at all, and division would be a very slow method of increasing the stock of such things if we had to rely on this alone to propagate certain varieties which could not be reproduced by seed.

In August and early September, or also in the spring months, cuttings of most all hardy plants will root freely, if inserted in a shaded frame and covered with glass. The frame need not be dug out very deep; about 8 or 10 inches of fresh horse manure in the bottom and about 3 inches of sand or light sandy soil is enough. Cuttings of arabis, aubrietias, lotus, Lychnis vespertina fl. pl., pinks, delphiniums, pyrethrums, phloxes, lathyrus, etc., may be inserted here and can safely be left in this frame over winter to be transplanted into their permanent places the following spring.

The fall cuttings of such woody plants as helianthemums, iberis and the pretty æthionæmas of all species, root readily under this treatment. The half ripe wood should be selected and the sand or soil must be pressed down firmly against every row inserted. The gentle bottom heat created by the fermenting manure will cause the cuttings to root nicely inside of three or four weeks, but a light syringing every day is necessary in hot weather to keep up a moist atmosphere in the frame until they have formed roots; after that we may gradually harden off the young plants by giving a little air, at



MEMBERS OF THE SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS ON THE ROOKS AT NEWPORT.

night first and later on also in day time until they are hard enough to be left without sash altogether. A slight winter protection of rough, long litter or straw will preserve the tender young roots of the plants and usually all of them come out uninjured in spring.

I prefer the fall propagation, not because it is any better or more successful than when done in spring, but merely we have more time to spare in autumn and can give the cuttings the proper care and attention, while in the rush of spring work we would be apt to neglect them occasionally.

In some sections of the country and occasionally with us, gaillardias do not winter well the second year. We can keep up a stock of them without any difficulty by annual seed sowings. This answers well enough for ordinary varieties, but when we want to save or increase the stock of the newer large flowering varieties, such as Vivian Grey, Jas. Kelway or Buffalo Bill, some of which produce flowers from four to five inches across, we must resort to cuttings. These root readily, are as easily wintered as young seedlings and make early blooming plants for the following season. Should it happen that an especially good variety gets winter-killed in the border or bed and no provision was made for its perpetuation, there is still hope that we may save the variety, for the roots of the old plant are sound yet in the ground, although the crown center may be entirely decayed and gone. If we dig up the little pieces of roots which remained sound we may expect quite a number of good young plants from them without much trouble. The pieces should be planted in a bed so that the top ends are just even with the surface of the ground and in a few weeks eyes will have formed, which when once started, soon grow into strong crowns, capable of producing a good crop of flowers during the following fall.

Some plants, like the Japanese anemones, are propagated almost entirely in this manner, but it is not generally known that gaillardias also may be increased in the same way. Thermopsis montana, phloxes, statices, calystegias, campanulas, Meum athamanticum, chelones, dodecatheons, polygonums, convolvulus, geraniums, Plumbago larpentæ, saponarias, several of the œnotheras, silphium and a great many other species may be propagated by merely cutting the roots into lengths of from one to two inches and planting them in soil. On the roots, or rather the underground stems of the anemones, polygonums, saponarias or the plumbago we can clearly see the eyes from which we expect the new growth to come and they start out vigorously soon after planting, while we have to wait for several weeks with the others before the undeveloped eyes begin to swell out, but they will come surely if they are not planted too deep.

For all root cuttings, early spring planting is advisable, excepting in cases where a certain scarce plant is to be propagated for spring sales, when the whole operation may go on under glass and the young plants be potted off singly into suitable sized pots when they are large enough. Ordinarily the plants raised from root cuttings in the spring of the year are stronger and healthier than fall or winter grown stock, though there are exceptions.

With some of the species we need not go to the trouble of preparing a special bed; we can plant the root cuttings of anemones, calystegias, chelones, polygonums, convolvulus, plumbago, saponarias and kindred quick growing species, right where we want the plants to grow into their permanent places, though when grown for a season in a bed by themselves, we can select the strongest for planting and make sure of a good display of flowers for the coming season.

Rochester, N. Y. J. B. KELLER.

The Hamburg Exposition.

The premium list for the fall exhibition contains many important and valuable prizes. They will no doubt bring out an immense display. The writer has been tendered a position on the committee of awards and in this capacity will have an opportunity to get an insight into many things of special interest. In addition to medals and cash prizes for displays of designated plants premiums are offered for special extra displays and novelties not provided for in the schedule.

Among the most prominent prizes are a beautiful vase valued at $1,000, offered by Emperor William, for the best display during the exhibition; $150 for the best display from the Kingdom of Bavaria; $250 for the best continuous display either inside or outside during the exhibition; $300 for best decorative work on buildings in the exhibition grounds; $125 for the best display of remontant carnations; $250 for the best display of palms; $250 for the best display of blooming and other plants; $500 for the best display of orchids; $250 for the best display of new and decorative palms, usefullness of foliage to be considered; $50 for best display of cyclamens; and many other equal and smaller premiums for groups, displays and single plants. In floral work the following are prominent: 6 best arrangements floral work, 1st $25 and great gold medal; 2nd $25 and small gold medal; 3rd $37.50 and great silver medal; for best bridal outfit, 1st $8 and great silver medal; for best bouquet of orchids, same; for best arrangements of orchids medals and cash, and many others for wreaths designs, bouquets and arrangements in flowers. The premiums in cash and medals in the floral department, plants and flowers, fruit in pots and vegetables, number 439 for this special exhibition, besides the committee have the privilege of making suitable awards to other worthy displays.

Of special interest in the cut bloom department are generally the cactus dahlias. For these many premiums and medals are offered. Those I have seen are beautifully perfect flowers and rich in color; they can be seen used to best advantage in all florist's show windows.

On the 20th of August a small special exhibition will be held for display of floral work by employees of florists. A great display is promised as many store keepers have promised their men and women everything free for their use. It will be impossible for the writer to be there but be will gather a few points later on that subject.

On entering the main gate way of the exhibition several beds of giant cacti and agaves strike the eye. Two century plants are in full bloom and attract much attention. In another place a group of standard myrtles are very attractive. Several places are completely given up to bush and standard roses, which of course are not in their prime, but some are still blooming in profusion. Among the most prominent and prolific are the following well known varieties: Van Houtte, Mlle. Eugene Verdier, La France, Mme. Testout (the best of all), Horace Vernet, Mme. Lambert, Gen. Jacqueminot (full of bloom but loose flowers), Mme. Bernard. La France can be seen in every collection; very prolific and a general favorite; so is also to some extent Kaiserin Victoria. A bed of sweet peas grown from California seed were perfect and greatly admired.

A very attractive display near the main building were several beds and rustic stands, somewhat lowered below the surface in neatly kept grass plots, and these studded with electric lights of all colors. This I think is a competing display for the main prize, the Emperor's vase. This vase by the way is guarded day and night by a special guard in the main building. Another fine effect is produced by the veranda boxes on top of the main gateway. They can be seen from afar off and are brilliant with color; zonal and ivy geranium and lobelia principally.

W. B.

Tobacco Smoke.

A young florist from Allegheny City asks me the following questions, and requests me to answer through the FLORIST:

1st. "When fumigating a house with tobacco stems, do you derive any good from damping the walks of the house which are made of cement? Will the dampness of the house cause the smoke to come down on the walks when the atmosphere is dry outside?"

I have never seen or heard of the paths being wet while fumigating except when the paths are constructed of plank, and then as a preventive of fire. The smoke will always rise straight to the roof, and when the upper part of the house is charged with smoke it will descend to the lower part among the plants. I think the wetting of the paths as helping to bring the smoke down perfectly useless.

2d. "Will charging the house with moisture (which will close the laps in the glass) have a tendency to keep the fumes in the house?"

Undoubtedly anything that will make the house air-tight or approaching it will help to hold the smoke longer than a house full of holes, but will "charging the house with moisture" close the laps? I doubt it. It may to a very slight extent. On a cold freezing night this used to be done in old houses to keep out the cold, but when not freezing hard would do little good. You must fill your house with smoke to be effectual. The smoke is lighter than the atmosphere and will seek the top first. It was always a rule among old gardeners, and is still a good one, that a windy night is the most unfavorable for smoking and a rainy night the most favorable. Although not asked the question, I can give this advice: When you begin to fumigate in the fall do it lightly. After repeated smokings the plants most susceptible of injury will become accustomed to it. Plants are not hurt I believe by the nicotine in the smoke, but simply by the *heat* of the smoke. Dampen your stems before fumigating and produce all the smoke you can with the least fire.

WM. SCOTT.

P. S. I am honored with the confidence of many readers of the FLORIST, who trust in my judgment to answer many questions on various horticultural subjects, and usually receive the bountiful recompense of a 2 cent stamp. I am truly thankful for the stamp if I could use it, but in most cases it is so glued to their communications that to dislodge it would take ten minutes of my time and costly chemical solutions, so please let the head of him "who could not lie" flutter around loose and I will take my chances of finding it.

W. S.

Miltonia Vexillaria Superba.

Miltonias are among the most easily cultivated of orchids, so far as their requirements go. Some grow them in cool houses, others in warm and others again in an intermediate temperature, and it is hard to tell the difference in the results. The species under note comes from the cattleya region and thrives well under the same treatment except that they need more shade. This species used to be known as an odontoglossum. They make superb specimens. One was recently shown in Boston that had nearly 250 expanded flowers, and the lovely arching racemes of pink flowers were a sight to be seen and remembered. The variety here illustrated is a rare one. The plant from which the photograph was taken is part of the one illustrated in Williams' Orchid Album, and is distinguished by the rich crimson blotch in the center of the flower.

Few orchids would pay the enterprising florist to grow as well as this Miltonia vexillaria. The long sprays come in in time for the June season and are specially adapted for wedding decorations whether used in pots or cut, and the flowers last a long time if kept from dampness. They are easily cultivated and increased by dividing the plants. Unless ours make two growths each year where one was last we think there is something wrong with the treatment.

E. O. ORPET.

New York.

BUSINESS STILL QUIET.—PREPARATIONS FOR GOOD FALL TRADE.—IMPROVEMENTS—QUALITY OF ROSES IMPROVING.—FRANK M'MAHON'S NEW HOUSES.—A TRUSTED CLERK SKIPS.

Not much business is yet in sight in the cut flower marts, in fact the dullness is unusually apparent even for this season of the year. But everyone seems confident of the future and preparations for the busy season are being made on all sides. On 28th street an atmosphere of activity has taken the place of the summer listlessness, speculation regarding the prospects for the fall and winter campaign and gossip as to who shall handle the stock of various desirable growers are in the air, old accustomed faces are seen about their usual haunts and everything begins to assume a normal appearance which is pleasant to contemplate after a long idle summer. The price of lemonade at the corner is said to have been doubled since Tierney, the syndicate truck man, ran up against five aces one morning recently, and Jimmy Carroll has returned from his two month's vacation with an actual gain of twelve pounds, an unprecedented accomplishment for Thorley's sprightly light-weight. John Young and Julius Lang have just finished repainting and varnishing their respective establishments the new color adopted in both cases for interior finish being a bewitching pale green that is guaranteed to bring out the best points of roses and carnations and make grade number 2 equal to grade number 1, and to exercise an irresistible charm over the critical buyer.

The quality of stock seen at the various wholesaler's is improving daily. Roses are heavier in bud and stem and better as to color. The demand is so light, however, that they do not realize any better returns yet on this account. A slightly improved call for lily of the valley is noted, $2 a hundred being the figure at which most of it is sold, a price that cannot possibly yield any profit to the grower. Garden flowers such as hydrangeas, gladioluses and dahlias are abundant and asters continue to come in in large quantities.

Frank McMahon has just finished and planted four new rose houses at Little Silver, each 450 feet in length, which added to his large establishment at Seabright makes Mr. McMahon one of the largest growers for this market. The new houses are devoted one to American Beauty one to Meteor and two to Bridesmaid and Bride, one bed of the latter being grafted stock.

John Flinte, employed by M. H. Krushka at Lawrence, L. I., disappeared a few days ago taking with him the sum of seventy dollars which he had collected and a new suit of clothes which he had charged to Mr. Krushka.

Ernst Asmus has gone with Benj. Dorrance on a hunting trip in the wilds of Nova Scotia.

The Monmouth County Horticultural Society's annual exhibition opened at Red Bank, N. J., on Wednesday, September 1.

H. C. Steinhoff sailed on a European trip on August 21.

A. Warendorff is remodelling the interior of his store on Broadway.

Henry W. Gibbons, who has for many years been connected with the firm of Messrs. Hitchings & Co., has now located in business for himself at 136 Liberty street, where his old friends can be sure of a hearty welcome.

Mr. W. A. Stiles, formerly in charge of *Garden and Forest*, and now New York park commissioner, is seriously ill.

Philadelphia.

THE EXCURSION TO DREAR'S NURSERIES—AN INSTRUCTIVE AND ENJOYABLE DAY—BUSINESS PICKING UP A LITTLE.—TWO YOUNG FLORISTS ARRIVE.

The event of the week was the third annual excursion given by the H. A. Dreer Co. last Tuesday, the 31st ult., to their mammoth establishment at Riverton, N. J. The large steamer Twilight had been chartered for the occasion, but even its roomy decks were not sufficient to hold the great number who responded to the firm's invitation. The excursion was an all day affair, the steamer being advertised to leave the wharf at 10 a. m.



MILTONIA VEXILLARIA SUPERBA.

At that time twelve hundred and fifty persons were aboard (the boat's capacity) and the overflow, some three hundred and over, were obliged to take another steamer fifteen minutes later.

The excursionists were a jolly crowd. The private gardeners were largely in the majority and nearly every man had his best girl along, while some brought as well their cousins and their aunts. The day was an ideal one and from the time the start was made until the last boat drew up to the wharf on the return trip there wasn't a hitch of any kind. This annual outing will be looked forward to with much pleasure each year by the gardening fraternity of this neighborhood, as the visit to this wonderful establishment is always a treat to the practical florist and gardener, and when in the company of so many good fellows and their families it is so much more attractive that few care to miss it.

After a delightful ride up the river, the landing at Riverton was made, the genial Walter Mott being on the landing to welcome the party. A five minutes' walk through the shady streets brought the gates of the establishment in view, where as each gent'eman passed in he was presented with a small package of cigars, the gardener's solace.

Entering the large connecting house next the office Mr. Wm. F. Dreer took the guests by the hand and welcomed them, after which they spread out in all directions and proceeded to take in the beauties of the place. Each department was at its best, in fact while one expects to see large stocks of well grown plants he is simply amazed at the extent to which all the departments have grown the past season. We doubt if there are any nurseries in Europe that can equal the extent of this establishment when the great variety of stock grown is taken into consideration. Side benches of this or that kind of plant have given way to a house or houses of the same, and still the stock is increasing, and even with all the recent additions it would seem impossible to house all the plants growing in frames outside before cold weather sets in, as every inch of inside space seems fully occupied at present. However the large packing bench was also full of orders delayed only because all hands were busy entertaining the guests of the day. It is a fact that this large table, one hundred feet long by about eight wide, is never cleared, the packers never being able to quite catch up to the order department. We will not attempt in this article to describe the stock here in detail; we could not do it justice; it must be seen to be appreciated. The greatest strides have been made probably in larger sizes of all popular palms which can now be had in quantity. Cocos are here by the house full and there are ferns ad libitum. The outside grounds were beautiful with their wealth of bloom, the large space given to cannas being a gorgeous sight. Here were to be seen all the latest varieties as well as all the popular introductions of the past. The planting of the varieties in color blocks, all the shades of one color together, was a happy thought and enabled the visitors to make their own comparisons as to which were the best. The water lily ponds were much admired, and no doubt that swampy spot at the bottom of many a private lawn will soon be turned to account, there being ample evidence here of just how to do it and make it one of the most beautiful and attractive parts of the estate.

The luncheon served in the rear of the old farm house drew the attention of the visitors from their tour of inspection and swamped for a time the best efforts of the entire force of waiters. Matters were straightened out in a little while, however, and after the inner man was appeased there was an exchange of social greetings and another look at the beauties of the grounds or houses, as most interested the visitors.

A splendid exhibit of cut canna blooms, a dozen or so flowers of a kind arranged in dishes of sand on a long table in one of the large sheds, was a feature; there were one hundred different kinds correctly labeled, and they showed the individual character of the flowers better than any other way. There was also an exhibit of double petunias of the firm's special strain and a collection of cut dahlias, another of asters and a dish or two of the new Allegheny hollyhocks, which are much superior to the older varieties. A table containing thirty-eight dishes of tomatoes, all different varieties, made a very interesting exhibit.

At 4:30 and 5 o'clock the visitors embarked for the return trip, some going direct to the city while others were given a ride down the river to the Navy Yard and were landed in town about 7 p. m. All were much delighted with their trip and the pleasures of the entire day. It is considerable of a job to manage a crowd of 1,600 to 1,800 people when one considers the different individualities that go to make it up. The firm deserved great credit for their enterprize and all present no doubt appreciated their generosity and the opportunity it gave them to see the latest and best novelties and all the popular plants.

We cannot close without saying a word of praise for the very neat and cleanly appearance of the entire establishment. There wasn't a speck of dirt to be seen anywhere in the houses (barring the soil in the pots, too commonly called dirt). Outside in the trial grounds and walks, not a piece of gravel even was out of place and all the various plants and beds seemed to be striving to bloom their prettiest. Mr. J. G. Eisele's kindly face was missed, he not having returned from his European trip; he is expected home about the 20th of the present month.

Business in the stores is picking up a little and the quality of the stock is getting better.

Prices, however, remain about the same.

Dennis Connor, of Lansdowne, is the proud father of another son. Ground has been staked out at his place for another house, the popular way the growers have about this city of celebrating such an event.

Edward Reid has moved into his new

store and will now be much better able to handle his growing commission business. By the way, he was presented with a daughter the past week; his step seems a bit firmer, and his bearing more erect since this important event.

John Westcott and W. K. Harris are off on a fishing trip. K.

Chicago.

CLUB VISITS HINSDALE.—AN IMMENSE ESTABLISHMENT.—BUSINESS CONDITIONS. —VARIOUS ITEMS.

The immense establishment of Messrs. Bassett & Washburn at Hinsdale was visited by the Florists' Club last Saturday afternoon. There were about 50 in the party including several from outside points. Indiana was represented by Mr. E. G. Hill, of Richmond, and Messrs. Wm. Blackman, Julius Niednagel and another florist, of Evansville. St. Louis was represented by R. F. Tesson, and Geo. Souster and family and B. O'Neil came in from Elgin. Including the recent additions the establishment contains about 310,000 feet of glass and it was quite a task to take merely a peep into each house. Everything was found to be in excellent condition. One house of Meteors planted last April was as fine a house of that rose as the writer has seen anywhere. The American Beauty fills an apparently endless number of houses. There are about 50,000 plants all told and all good. There is about an equal number of other roses divided among the various market varieties. A house of Souv. du President Carnot was in fine condition and promised a good crop of excellent blooms. In carnations a house of Jubilee, carried through the summer on the benches, looked well. The bottoms of nearly all the benches are of drain tile set closely together. Probably the most impressive thing about the new range of glass was the pair of huge Kroeschell boilers, each of 150 horse-power. A smaller one adjoining was of 65 horse-power, and there is now on the place boiler capacity amounting to 765 horse-power. Including the city salesroom there are 41 men on the pay roll. The new house for asparagus and smilax is 30x300 and contains 3,000 plants of asparagus and 7,000 of smilax. Among other stock being grown are 40,000 Lilium Harrisii 25,000 carnations, 325,000 valley, 75,000 tulips, 20,000 chrysanthemums, 25,000 Roman hyacinths, 20,000 Von Sion narcissus, as well as adiantums, sweet peas, violets, mignonette, swainsona, etc.

After the inspection of the houses and contents the party gathered on the lawn by the residence and partook of a lunch kindly provided by the hosts, after which there were short addresses made by Messrs. E. G. Hill, Edgar Sanders, Wm. Blackman, R. F. Tesson, Geo. Souster, B. O'Neil and others, interspersed with songs by the trio composed of Messrs. McKellar, Winterson and Kissell. The solo by Mr. Sanders must not be overlooked. He sang the cobbler's song and mended Mr. Stromback's shoe at the same time with great effect. Mr. Hill didn't see much chance for the small Indiana florists to compete with such establishments as that just inspected and hoped Mr. Bassett would leave just a little of the field for them. He spoke of the recent convention of the S. A. F. and of the next one to be held at Omaha, urging all to attend next year and show the east that the western florists were alive to the benefits conferred by the national organization. Mr. Souster extended an invitation to the club to visit his place at Elgin. A vote of thanks to Messrs. Bassett & Washburn for their kind hospitality was unanimously passed. The afternoon was certainly most profitably and enjoyably spent and will long be pleasantly remembered by those who particlpated.

The next meeting will be held at Vaughan's greenhouses at Western Springs the afternoon of Saturday, Sept. 11. Train will leave Union Station at 1:30 p. m. A particularly interesting feature at this place will be the fields of cannas.

Mrs. Hughes, mother of Horace Hughes, and wldow of an old time florist, died recently.

Mr. D. S. Heffron has been sending to E. H. Hunt some exceptionally fine asters, cutting some with three-foot stems. Mr. Heffron has had no trouble with the disease except on rather poor ground. He uses lime on the ground before planting in spring as a preventive.

Miss Emily Lytton, of the Illinois Cut Flower Co., has returned from her vacation.

Several of the wholesalers report a marked increased in out of town demand the early part of the week. Almost all kinds of stock is plenty and in general demand rather light. Carnations are much more plentiful this week and in consequence prices have weakened. A few of the best fancy are still held at $1 per hundred but the bulk of the stock goes for less. The quality (all field grown) is very fine, Scott being exceptionally good just now. Mrs. Fisher, which is largely grown for summer, is now at its best and is received in steadily increasing quantity. Daybreak is scarce, the few sent in being of much better color than is usually seen in field grown stock.

The drouth which has existed for some time was partially broken this week. Copious showers fell at various places around Chicago, but this was confined to very small areas. Soaking rains are reported at some localities while not a drop of rain fell in territory scarce a mile away. Many growers are now busy benching carnations, others are waiting for rain. There appears no scarcity of good sound stock to fill the houses. The majority of the growers set out nearly double the amount of stock plants needed for their own use. This will enable them to select the very best for their needs.

The past week we have been having quite warm days, but very cool nights which has made firing necessary most of the time for the rose grower. Quite a number of growers who neglected to fire have now to contend with a crop of mildew.

Hills and Jakobson of Maywood have taken counter space with C. W. McKellar. They grow a line of general stock.

Visitors in town: Misses Harding and Vail, La Porte, Ind.; Mr. Wiegand, Indianapolis, Ind.; Wm. Currie, Milwaukee, Wis.; and those noted in report of club outing.

St. Louis.

BUSINESS IMPROVING —STOCK BETTER.— NEW STORE —A. BERDON RETURNS TO THE TRADE —CLUB MEETING SEPT. 9.— CHRYSANTHEMUM SHOW ARRANGEMENTS. —BOWLING —NEWS NOTES.

Stock is looking better every day and some of the down town florists report that the business is also looking up somewhat, and transient trade has begun. The opening of our exposition next week will do the florists about town a world of good, as lots of stock will be used for decoration, mostly palms and a few cut flowers.

Brides, Meteors, La France, Kaiserins, Testouts, Bridesmaids and Perles, are now coming in in fine shape, but as yet with short stems. Those with the longest stems bring $2 to $3 per hundred, others with short stems are $1 and $1.50. Beauties, too, are better and are selling well, as good long Beauties are very scarce.

Carnations are still short in supply and in good demand, price $1 per hundred. Housing carnations is progressing favorably and the growers have plenty of work before them just now. Asters are very plentiful and only the large white and purple are in demand. The extra fine ones bring $2, but the bulk go at 50 cents and $1 per hundred. Plenty of tuberoses stalks, both single and double, sell at from 3 to 5. Gladiolus stalks are a glut and no sale for them at all. Good stalks are selling at 2.

Building is being pushed as much as possible, some of them being a little late.

Wm. Clamp, of Webster Grove, Mo., is sending in a fine lot of La France roses. Mr. Clamp reports that he will have a fine cut of roses, violets and carnations this winter.

T. W. Guy, of Kimswick, Mo., is cutting some very fine Scott carnations, the best that come to this market just now.

R. F. Tesson got back from Chicago sooner than was expected. Bob reports that he had a good time among his fellow craftsmen and that everything looks in good shape for a good winter's business.

Ellison & Tesson will open their new store, recently vacated by Fred Weber, 3134 Olive street, by the end of the week.

Luther Armstrong, the only St. Louis man at the convention, got back last week and reports that he had a good time and was glad he went. While in the east Mr. Armstrong introduced his everblooming tuberoses and claims he met with good results.

Our visitor last week was Mr. S. Skidelsky, of Philadelphia. Business has been good with him and he was happy when he left.

Park Commissioner Ridgely left the city on a vacation and will be back some time next week. Supt. Pape is acting as park commissioner just now. Mr. Pape reports that the parks are not looking well, owing to the very hot and dry weather.

The Beyer Bros. did themselves proud in decorating Concordia Park last week for the fifteenth harvest festival of the Schwabenuntersturtzungs verein. The affair was a success and it lasted two days.

A. Berdan has gone back to the florist business again and is building two new houses 25x100 at Kirkwood to grow roses and carnations for the trade. Mr. Berdan has been out of business for the last two years and says that he is glad to get back again in the business he loves so well.

J. M. Hudson, late of 1002 Olive street, will be found after the 15th with the Mound City Cut Flower Co., 1322 Pine street.

President-elect Halstedt says that he hopes to see a full attendance at the club meeting next Thursday, September 9. The installation ceremonies will begin at 3 p. m. sharp. Afterward some very important business will be transacted and it will be of great interest to all of the members.

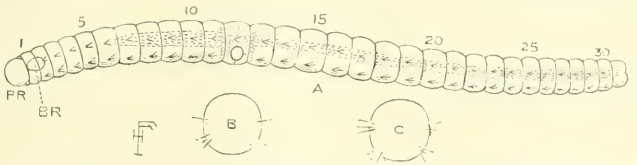
The chrysanthemum show will be held this year in a large vacant store down

town as the charge of the exposition management is too great. The committee will meet some time this week and decide upon a location and then go ahead with the show. The committee to a man is in favor of leaving the exposition for this year at least.

At the bowling club Monday night we had a full attendance and rolled our regular three games with the following result: C. Beyer 590, first; Fred. Weber 563, second; and Beneke 562, third. For high single score Beneke was first with 246, Beyer second with 206, and Weber third with 202. This ended the August series of 15 games. C. Beyer wins the average medal and Beneke the high single score. The scores follow:

NAMES.	GAMES.	TOTAL.	AVERAGE.	H. SCORE.
C. Beyer	15	2745	183	242
E. Schray. . . .	15	2578	172	223
Beneke	15	2534	169	246
Kuehn.	15	2466	164	192
Sanders	15	2396	158	196
Fillmore. . . .	15	2007	134	179
Kunz.	11	1845	168	224
Young	12	1720	136	180
Weber	8	1322	145	202
Helwig.	3	446	148	189

J. J. B.



THE ASTER WORM, GREATLY MAGNIFED. ACTUAL SIZE ONE-EIGHTH INCH
B, hind segment. C. front segment. Reproduced from Gardeners' Chronicle.

The Aster Worm.

A writer in the *Gardeners' Chronicle* holds that the aster disease is due to the presence of a minute worm, about an eighth of an inch long, white or silvery when viewed under a pocket lens. This worm is probably new to science and has been given the name "Enchytræis parvulus." The worm lodges under the skin of the roots and sucks the juices of the plant, thus preventing the plant from sending moisture and nutriment through the stem to the leaves.

"Naturally enough it will be asked, 'What is the remedy?' It must not be assumed that all decaying asters are eaten of worms. If, however, the lens reveals their presence, drastic measures must at once be adopted. If it were possible, the moment sickness showed itself, to lift the plant, excise the injured part and reset it, the evil might be arrested. There would, however, still be two dangers. The plant might be unable to recover, and if it did, the eggs of the worm, which are infinitely small, and would never be detected, may have been deposited in the tissues. This being so, young worms will soon appear again, and the plant succumb after all. The only way to ensure the destruction of the pest when once in the plant, is to uproot every sickly individual and consign it instantly to the flames."

Buffalo.

Usually when returning home from a week's convention, repose and quietness is sought, and in some cases needed, but that was not to be the lot of the Buffalo boys, for on our arrival Saturday evening the advance guard of the G. A. R. was here and the city seemed already crowded, but later there were four hundred thousand strangers within our gates including 50,000 old veterans of the war. I must be excused for a few comments on this wonderful gathering such as no other nation in the world sees the like. Several countries could parade an army of active fighters 40 times as great as our standing army, but no country attempts to make such a gathering of patriotic veterans who seem indeed to join hands as brothers and partners in the great cause for which they fought and won.

President McKinley was here and headed the grand procession on horseback, and Secretary of War Alger was here, and so were men in blue from all walks of life, and in all this crowd none looked more the veteran and few looked more the trim natty soldier than comrade J. D. Carmody of Columbia post, Chicago, whose guest at a grand banquet was President McKinley.

With all the parades, flags and music I never realized till last evening where the great pleasure to the old soldier came in till I attended a camp fire. A neighboring doctor entertained his old regiment, the 1st New York dragoons, of which about 175 are left to tell the story, and to hear them recite their old stories of battles won and battles lost, their privations and their grim jokes, would melt a much harder heart than the one your correspondent owns. No wonder the old boys love to gather together once a year.

This gathering has naturally brought a few old soldier florists to town and florists who never shouldered a musket. Among those who called at Cold Springs were A. Claus and wife, of Springfield, Ill.; T. Murdoch, Titusville, Pa.; Andrew Washburn, Bloomington, Ill.; E. D. Spaulding, Jamestown, N. Y.; A. Ringier, Chicago; W. C. Rockwill, Bradford, Pa.; and a young man from Lancaster, Mass., by name E. O. Orpet. Mr. O. is staying with his old friend Henry Swift, of Cleveland avenue. You seldom meet a greater gardening enthusiast than Mr. Orpet and up to date our acquaintance is all too short.

We had no time before to tell you of the very pleasant outing the florists had on the 13th. We went to the beautiful and well kept Bedell House on Grand Island. There was a large attendance of all ages, from the boss to the errand boy. A few old heads were conspicuous by their absence, which should not be. There was baseball and athletic games, mostly handicaps, and winding up with some bicycle races. Then a most genteel repast, a little (very little) oratory, the distribution of prizes (a most pleasant task kindly allotted to your humble servant) and then the light fantastic till the boat left the wharf. A well-earned vote of thanks was given to the committee of arrangements, who were Messrs. John Milley, Wm. Legg and W. F. Kasting, and well and smoothly they did their part.

After telling you of the pleasant part of our existence it is now painful to turn to something very sad. On Sunday morning, August 15, Mr. C. F. Christenson lost his estimable wife. Mrs. Christenson had been ill for several months and for several weeks very seriously, but a fatal termination was not expected. Locally no one among the craft is better known or more popular than Chris., and although he never took a prominent part in our national society, and was peculiarly a home man, many are the visiting florists who will never forget a call on Mr. Christenson. A hearty welcome is no name for the reception given to a brother florist, were he drummer or otherwise. Our friend in his bereavement has the greatest sympathy of all who know him here, and scores of visitors to our city. Just as Mr. Christenson had reaped his reward from many years of toil and talents, and could look forward to some years of leisure he has to meet the saddest blow of all. Yet we trust he will bear his great loss with his usual good sense for he has his duty to the world and his young son yet to fulfill.

W. S.

Boston.

SETTLING DOWN AFTER CONVENTION —BUSINESS DULL.—A VISIT TO DEDHAM.—GIFT TO THE ARNOLD ARBORETUM.—THE FIRST VIOLETS.—WARREN EWELL'S NEW DIGNITY.

All settled down and making active preparations for the winter campaign; convention a thing of the past; its problems either solved or carefully shelved for solution next year at Omaha; asters poor in quality but selling fairly well; carnations bringing good prices for the season; carnation plants in the field only about half size; violets in field fine; seashore and mountain trade closing up and summer visitors taking their departure; this about covers the situation at present writing.

Flower trade is dull in all its features. Asters, gladioluses and lilies fill the florists' windows, roses and carnations huddle in the refrigerators but customers are conspicuously absent and even a funeral order is a scarce commodity. Tuberoses are beginning to come in freely but sales are slow.

The garden committee of the Mass. Horticultural Society and a number of guests, of whom Mr. Wm. R. Smith, of the Botanic Garden, Washington, was one, visited the beautiful estate of Mr. G. A. Nickerson at Dedham, on Thursday afternoon. Mr. David Monteith, the gardener, escorted the visitors through the greenhouses and grounds and the broad lawns, grand forest trees, specimen evergreens, flower garden, etc., were inspected with interest and the well kept appearance of the extensive grounds was enthusiastically commented upon. A drive to the residence of Mr. Monteith found a delicious lunch ready and after a kindly welcome from the lady of the house a vigorous attack was made on the good things so generously provided. The party returned to the city about 6 p. m. well pleased with the afternoon's outing.

The Arnold Arboretum has received a memorial gift of $20,000 from Miss A. A. Bradley in memory of her father, the late W. L. Bradley, who was deeply interested in arboriculture.

The annual plant and flower show of the Mass. Horticultural Society is in progress this week. Full account in next number.

H. Huebner had the honor of bringing the first bunch of violets for the season, on August 23. They were single and good.

Warren Ewell has acquired an added

dignity of carriage since having been adopted by the whole country at the Providence convention.

The surroundings and atmosphere of the Hub are very congenial to Mr. W. R. Smith, who has honored us by tarrying a week after the convention.

St. Paul.

COLD WEATHER.—STORM DAMAGES OUTSIDE STOCK.—TRADE VARIABLE.—AN ORCHID COLLECTION.—BUILDING.

Cold weather during the past week has compelled the careful growers to keep fires going nearly every night. A heavy rain the night of August 30, destroyed a great deal of outside stock, knocking it down and otherwise demolishing it.

Trade has been variable. A large amount of funeral work has diminished the surplus stock and good roses are in good demand, white in particular being quite scarce.

A visit to the private conservatory of Dr. R. Schiffman, one of our most substantial and public spirited citizens, is full of interest. He has the largest and finest collection of orchids in the state and is a good authority on their culture. His latest purchase was the Corning collection of cattleyas consisting of several hundred plants, many of them rare and beautiful varieties. Altogether his collection consists of upwards of 500 plants. At present there are but few in bloom though a particularly fine variety of stanhopea in full bloom was very attractive. All of his plants are in the very pink of condition and show the care and study he has devoted to them.

A. S. Swanson has built two or three houses this summer which I have failed to note. As soon as I have the opportunity to visit them I will do so.

O. Olson, of Holm & Olson, is away shooting chickens, or attempting to (prairie chickens).

Recent callers, Mr. Hoyt, representing the Cleveland Seed Co., and S. B. Dicks, of London. FELIX.

Pittsburg.

THEY RETURNED BY RAIL.—BUSINESS IMPROVING.—A NEW MARKET HOUSE.—BUILDING.—VISITORS.

Almost all of the Pittsburg contingent have returned from the S. A. F. convention and express themselves as very well pleased with their trip to Providence. Several of the florists intended when they started from here to return by same route, viz., via Norfolk, but after enjoying a taste of old Neptune in the way of seasickness when going to Providence they all returned by way of New York and Philadelphia, the ocean part of the trip having lost a great deal of its attractiveness to them.

Business is showing some improvement. The demand is increasing a little and a better feeling prevails. From present appearances a fair fall trade will be had, for it looks as if "hard times" had been given a backset and an era of prosperous times has commenced.

Within the last ten days a project has culminated in the formation of a company which will give to East Liberty, the east end of our city, the finest market house in the United States, and the largest in this part of the country. It will front 200 feet on Beatty street, running back on Baum street and Centre avenue, where at the east end of it it will be 290 feet wide. There will be a floor space of 58,000 square feet. The company will aim at three things in its construction—plenty of light, good air and cleanliness. The structure will be of steel, one story in height, but magnificent architecture, exterior walls of Pompeiian brick, while the interior walls will be of light colored enameled brick, the building so constructed that it can be entirely cleansed by using hose and water. The stalls will be raised on iron feet six inches from the main floor, which will be of tile, so there can be no accumulation of refuse. A cold storage plant will also be a feature and each of the stalls will be fitted up with ammonia pipe so as to do away with the use of ice in them. There will also be an electric light plant fully up to date and a modern system of steam heating for the cold weather. The building will cost at least $125,000 and the ground $75,000 more. Gardeners will be especially catered to. It is more than probable that the florists will take advantage of the opportunity and will more than duplicate the Allegheny market in the number of stalls devoted to the flower trade. There will be every chance of success too, for the district that legitimately belongs to this center has a population of over 150,000, or more than three times as many as Allegheny City had when their fine market house was erected.

A. G. Smith, of Neville Island, has erected two houses 35x75 for the purpose of forcing early vegetables. In addition to these he will have 500 hotbed sash. With these alone he has been very successful, but to keep abreast of the times he has put up the greenhouses. He will use natural gas for fuel, being right where it "grows."

Mr. Arnold Ringeer, with W. W. Barnard & Co., Chicago, and Mr. Boas, with Edwards & Docker, of Philadelphia, were visitors this week. REGIA.

Cincinnati.

The general run of business has been slow the past week, but our wholesale houses report a marked increase the first part of this week. Funeral work constitutes the bulk of the trade now and some of our storemen complain of not having enough of that. Roses are in fair demand with an equal supply. Asters are coming in in abundance, and sell at 50 cents per 100.

The Hoffmeister Floral Co. have been making a creditable display of gladiolus at their Elm street store the past week and report business fairly good. The same may be said of the Huntsman Floral Co.

Mr. and Mrs. Geo. Meeks of Covington have returned from a delightful trip to the Nashville exposition, stopping also at Louisville.

The regular monthly meeting of the Cincinnati Florists' Society will be held September 11. A full attendance is expected.

A happy wedding which occurred Wednesday September 1 was that of Miss Flora Hill the eldest daughter of Mr. and Mrs. E. G. Hill, to Mr. Fred. Lemon. Miss Flora is a favorite of Richmond's social circles and a very accomplished young lady. Mr. Lemon has been in the employ of Mr. Hill the past few years and won a host of friends at Richmond. Please accept our congratulations.

H. SCHWARZ.

Toronto.

Garden parties and entertainments in connection with the British Association and the final banquet made things a little lively for some of the florists last week but otherwise the usual summer dullness prevails.

The boys who exhibit plants at the Industrial fair are all very busy to-day getting their goods into shape.

We were honored with the presence of crowds of the Grand Army people from Buffalo last week, many of whom expressed great surprise at seeing us so far advanced in the ways of civilization.

The Ontario government has started to build the conservatory back of the Parliament buildings, but it is much to be regretted that it will be so small and insignificant—50 ft.x22 ft. Mr. Houston tried hard to get a building worthy of the situation but was unsuccessful.

Cannas Italia and Austria have been flowering well in some gardens, but they appear to be no good out doors; the least sun burns the petals. E.

Syracuse, N. Y.

EXHIBITS AT STATE FAIR.—GOOD DISPLAYS IN FLORAL DEPARTMENT.—KEEP CARP OUT OF PONDS OF AQUATICS.

The exhibits in Horticultural Hall at the New York State Fair, held here August 23 to 28, far eclipsed previous displays in both quality and quantity, the only unfavorable state of affairs being lack of space. Fine groups of tuberous rooted begonias, French cannas, ferns, stove and greenhouse plants and geraniums, the latter comprising forty-six well-flowered named varieties, were staged by P. R. Quinlan & Co. In the professional gardeners' class Messrs. D. Campbell and C. Barson also staged some grand groups of both flowering and foliage plants, most notable among them being their ferns, many of which measured from 5 to 6 feet in diameter and showed high culture. Geo. Ham had a beautiful collection of specimen geraniums.

A great advancement over previous years was noticed in the way of staging cut flowers. Instead of being put in sand and moss nearly everything was put in glass jars, of which over 2,000 were used. The flowers are not only kept fresher and shown on long stems, but the work of staging is greatly facilitated. About 1,500 spikes of gladiolus were shown, making a most attractive display.

Asters were in abundance and were very fine. It must be remarked the amateurs, who were numerous, put up displays of these favorite annuals that would, it is safe to say, be hard to beat anywhere. In the florists' class Mr. Bechstedt, of Oswego, put up a collection that was superb, the variety Comet being especially good. The general collections of flowers were large and numerous, some of them containing over 200 varieties. Messrs. Ellwanger & Barry, of Rochester, staged some fine perennial phloxes, the color, size of flowers and trusses being of the highest standard. Peter Crowe, of Utica, and George Savage, of Rochester, were the judges.

The exhibit of different species of trout from the state hatchery at Caledonia, N. Y., which occupied the center of the hall was very interesting and attractive, the aquariums being decorated with Farleyense ferns, mosses and small Cocos Weddelliana. Mr. Marks, one of the fish experts in attendance, gave some valuable information concerning the kinds of fish most desirable and those undesirable for ornamental waters where aquatic plants were grown. He regarded carp as very destructive and remarked if you need a pond cleaned of weeds no other work was necessary than to put some good sized carp in. After listening to Mr. Marks' narration of how they worked their destruction by first chewing off the

foliage and stems, and then grubbing out the crowns Mr. Campbell replied he had been troubled in a like manner every year with his water lilies and had always attributed their destruction to musk rats. The only fish he had in his ponds were large carp and he had now come to the conclusion that they were the offenders.

Although the date was too early to show fruit with their proper color, an enormous display was made, some 7,000 plates being staged. The collection of apples from the Experimental Station at Geneva, N. Y., was most noteworthy, also pears and grapes from Ellwanger & Barry, of Rochester. The Western N. Y. Hort. Society carried off first honors for largest and best display of fruit, the Central N. Y. Hort. Society being second.

ALPHA.

Portland, Me.

Portland had a distinguished visitor last week in the person of Mr. W. R. Smith, Supt. of the Botanic Gardens at Washington. He was the guest of Mr. J. A. Dirwanger and made a pilgrimage in company with that gentleman to the grave of his old friend, Wm. Pitt Fessendeu, in Evergreen Cemetery.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—By a young florist. Can furnish good references. Box 303, Portsmouth, O.

SITUATION WANTED—In private place by man experienced in all branches. Good references. Address J R. care American Florist.

SITUATION WANTED—By first-class all round man in commercial place; 25 years experience. Address SCOTT, care American Florist.

SITUATION WANTED—As assistant; or manager of a small commercial place, 15 years' experience. Wages $25. J A, 112 Bridge St., Brooklyn, N. Y.

SITUATION WANTED—By first-class grower and decorator, position either in store or greenhouse. References No. 1. Address VEHITAS, care American Florist, Chicago.

SITUATION WANTED—As assistant florist or gardener by a young man 20 years of age; Swede. Can furnish good references. Address HJALMAR BERG, Glen View, Cook Co., Ill.

SITUATION WANTED—As gardener; 18 years' experience in all branches; 38 years, German, single. Private or commercial place. First-class references. Address GARDENER, care American Florist.

SITUATION WANTED—As gardener; competent all round man; thuroughly posted in the management of a first-class private place. First class references. Married, no family H C W, Box 16 Mayfair, Ill.

SITUATION WANTED—Either to take charge, or as rose grower. Beauties a specialty. Age 28. Experience from a large wholesale place. Appreciates a nice room and a good home. Chicago references. Address METEOR. care American Florist.

SITUATION WANTED—In private place by practical gardener and florist. German, age 30, single. 15 years' experience in growing cut flowers, palms, ferns and all kinds pot plants; also good in landscapes and carpet bedding; best references from the south and this state. Address F. HUG, Hotel Hevetia, 431 Pine St., San Francisco, Cal.

WANTED—Good grower of general stock; single man. Western man preferred. G. FLEISCHER, Pueblo, Colo.

WANTED—A young, single man, industrious, careful worker, as assistant in large place. Address VIOLET, care American Florist.

WANTED—Married man as foreman on large place for growing cut flowers. References required. State wages. ROSES, care American Florist.

WANTED—Expert mushroom grower, to run mushroom farm on half shares. Must have small capital. Address Box 395, Plymouth, Pa.

WANTED—A young man, married or single; good worker, and good all round grower or general stock. Address A. PAHUD, Indianapolis, Ind.

WANTED—Mushroom and cucumber grower. Enclose with application copy of 41 recommendations as to special ability in these lines. State salary expected. GEO. M. KELLOGG, Pleasant Hill, Mo.

WANTED—At once, good all round florist, for roses, carnations, violets, mums, and a general line of plants. Must be sober, neat and honest. Send references, and state wages wanted, with board. Address E. H. SMITH, Macomb Ill.

WANTED—Partner with about $500 cash, by parties having built some greenhouses, roses, carnations, to enlarge the plant; florist preferred, or would give steady situation to the same. Address M A. care American Florist, Chicago.

WANTED—At once, a good all around grower of general stock, to take charge of 3000 ft. of glass. Give references and state salary expected with or without board. Must be good designer. Address ISHPEMING GREENHOUSES, Ishpeming, Mich.

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JULIUS LANG,
Cut Flowers on Commission
53 WEST 30TH STREET,
.... NEW YORK.

H. L. SUNDERBRUCH CO.
WHOLESALE
COMMISSION FLORISTS,
4th and Walnut Streets,
Consignments Solicited. CINCINNATI, O.
Special attention given to shipping orders.

SMILAX.
Strong plants, from pots, $2.00 per 100; $18.00 per 1000. Cash with order.
SAMUEL J. BUNTING, Elmwood Ave. & 58th St., Phila.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

SWEDESBORO, N. J.—Freeman Hurff is no longer in the seed business here and has removed from the town.

MR. ALFRED SUTTON, for fifty years an active member of the firm of Sutton & Sons, Reading, England, died August 7, aged 79 years.

Catalogues Received.

Sander & Co., St. Albans, England, new plants; Siebrecht & Son, New Rochelle, N. Y., pot grown and layer strawberry plants; The Lovett Co., Little Silver, N. J., pot grown and layer strawberry plants, celery, cabbage, etc.; Chas. D. Ball, Philadelphia, palms and decorative plants; Letellier & Sons, Calvados, France, New hybrid cineraria; Herb & Wulie, Naples, Italy, bulbs and plants; Ch. Molin, Lyon, France, seeds, plants, bulbs and nursery stock; Schlegel & Fottler, Boston, special offer of bulbs for import orders; Jules DeCock, Ghent, Belgium, nursery stock; Fruitland Nurseries, Augusta, Ga., fruit and ornamental trees, roses, etc.; Page Seed Co., Greene, N. Y., bulbs, plants and seeds; E. H. Grelage & Son, Haarlem, Holland, bulbs; John Peed & Sons, London, bulbs; Vilmoin, Andrieux & Co., Paris, seeds, plants, bulbs; J. M. Thorburn & Co., New York bulbs.

Greenhouse Fire Insurance.

Now that steps have been taken looking to the formation of a mutual company to insure greenhouses against fire, the time has arrived for those who desire such insurance to make application for same. If a sufficient number make application the work of perfecting the organization will go forward. It now depends on the owners of greenhouses whether they shall have mutual protection against fire. Applications may be addressed to any one of the committee in charge of the matter as follows: E. H. Michel, St. Louis; J. G. Esler, Saddle River, N. J.; E. A. Seidewitz, Baltimore; M. A. Patten, Lowell, Mass.; W. J. Vesey, Ft. Wayne, Ind. The plan proposed is outlined on pages 72 and 73 of our issue for August 21.

MR. R. ULRICH, of New York, formerly in charge of the World's Fair Landscape Dept., is now laying out a tract of 5,000 acres at Montauk, Long Island.

LENOX, MASS.—At the regular meeting of the Lenox Horticultural Society on Saturday, September 4, Mr. A. A. MacDonald will read a paper on gloxinias and begonias.

CELERY PLANTS
WHITE PLUME and GIANT PASCAL.
Field-grown plants at $1.00 per 1000. Cash with order. Samples free.
EXTRA HEAVY TRANSPLANTED WHITE PLUME. $2.00 per 1000; $18.00 per 10000.
C. M. GROSSMAN, Wo'cottville, Ind.

STOCKY, FIELD-GROWN **CARNATIONS.**
New and standard vars., $5.00 per 100 and upward.
GEO. HANCOCK & SON, Grand Haven, Mich.

HAIL For Insurance against damage by hail, Address
JOHN G. ESLER, Sec'y, F. H. A., Saddle River, N. J.

California Grown
CALLAS
Carefully cured, with sound center shoots, now ready for shipment from our New York or Chicago stores.
SIZES and PRICE:
1¼ to 1½-inch, $6.00 per 100
1½ to 1¾-inch, $8.00 per 100
2 to 2½-inch, $12.00 per 100

A FULL LINE OF
Fall Bulbs
For Florists' Forcing Now Arriving.
VAUGHAN'S SEED STORE, 14 Barclay St., New York.
Chicago, 84 and 86 Randolph St.

PALM *Seed.* FRESH ON HAND

For AUGUST DELIVERY.	Per 100	1000	3000
Kentia Belmoreana	$1.25	$10 00	$27.50
" Forsteriana	1 25	8 50	22 50
Pandanus utilis	1.50	12.50	35.00

Above prices are for selected seeds only, of highest germinating power.
J. L. SCHILLER, Rutherford, N. J.


PALMS AND FERNS.
The LARGEST STOCK west of New York.
GEO. WITTBOLD, 1708 N. Halsted St., CHICAGO

Send orders QUICK.
Fresh Kentia Belmoreana or Forsteriana seed, post or exp. paid, per 1000 $6.50.
Fresh Corypha australis or Seaforthia elegans seed, delivery included, per 1000 $2.75. Seed the *finest*. Samples sent on application. Send for our NEW Price Lists.
H. H. BERGER & CO., No. 220 Broadway, NEW YORK.
BRANCH OFFICE, San Francisco, Cal. (Estab. 1878.)

BURPEE'S SEEDS PHILADELPHIA.
Wholesale Price List for Florists and Market Gardeners.

W. and D's. CELEBRATED "Sure Crop" Mushroom Spawn. SPECIAL quotations to LARGE buyers.
ALL KINDS OF BULBS—
Lilium Harrisii, Freesias, Roman Hyacinths, Narcissus, etc., etc. Special prices on application.
WEEBER & DON, Seed Merchants and Growers
114 Chambers St., NEW YORK CITY.

FAXON'S "WHITE HOUSE" PANSIES.
The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.
In Trade Packets at $1.00 each.
M. B. FAXON,
Lock Box 1528. BOSTON, MASS.
Correspondence solicited.

Otaheite Oranges
Bear in mind that we shall have a fine lot of well fruited Otaheite Orange Trees for Christmas delivery.
CHAS. ZELLER'S SONS,
29th Ward, BROOKLYN, N. Y.

OUR PANSIES same high grade that has made them famous over 15 years. We continue adding the world's best and select yearly choice plants for our seed. Plants, $5.00 per 1000, 75c per 100. Seed, $1.25 per ¼ oz.
DANIEL K. HERR, Rider Ave., Lancaster, Pa.


H. Wrede,
LUNEBURG, GERMANY.
PANSY SEED.
133 First Prizes, the highest awards World's Fair, and Hamburg, 1897.
1000 Seeds, finest mixed, 25c.
1 oz. " " " $3.75
Price List on application. Cash with order.

Pansies Worth Raising.
NEW CROP SEED of this POPULAR VARIETY.
3-16 ounce.....$1.00
1-2 " 2.25
1 " 4.00
CASH WITH ORDER.
C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

Bulbs
Of any kind quoted f. o. b. at lowest rates, by
HULSEBOSCH BROS., Englewood, N. J.

CINERARIA PLANTS.
Ready for re-potting into 3-inch pots. The finest large-flowering dwarf varieties. Per 100, $2.50. Extras added to part pay expressage.
JOHN F. RUPP, Shiremanstown, Pa.

CHINESE PRIMROSES
Good mixed varieties, ready to shift into 3-inch pots, $2.50 per 100. Cash with order.
MRS. H. COLCLOUGH,
West End Greenhouses, MT. PLEASANT, IOWA.
Mention American Florist.

Don't Delay any longer.

Try at least one house with our **EVAPORATING PANS.** Kills greenfly sure.

—o—

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ALBERT M. HERR, Lancaster, Pa.
T. J. TOTTEN, Saratoga Springs, N. Y.
JOHN WELSH YOUNG, Germantown, Philadelphia, Pa.
PATTEN & CO., Tewkesbury, Mass.

And the following will have them in operation next winter:

H. WEBER & SONS, Oakland, Md.
W. R. SMITH, Supt. Botanic Gardens, Washington, D. C.
S. J. REUTER, Westerly, R. I.
COTTAGE GARDENS. (C. W. Ward, Mgr.) Queens, L. I., N. Y.

Six Pans to a 100 foot house. $1.25 per Pan.
For further particulars write to

EDWIN LONSDALE,
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FRANK H. CHILD,
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The price of the pictures is $2.00 each, and the size 14x17 inches. (When the money is remitted with the order the photograph will be sent by express prepaid.)

FERNS.
We make a Specialty of small Ferns for the Fall trade.
Write for special prices on large quantities. Order early.

JOHN SCOTT,
Keap Street Greenhouses, BROOKLYN, N. Y.
Mention American Florist.

ROBERT CRAIG,
Roses, Palms,
AND
Novelties in Decorative Plants
MARKET AND 49th STREETS,
PHILADELPHIA, PA.
Mention American Florist.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

HYDRANGEA OTAKSA
2½-inch pots, $3.00 per 100. Cash with order.
SAMUEL J. BUNTING, Elmwood Ave. & 58th St., Phila.
Mention American Florist.

Decorative Plants.

ARECA BAUERI.

	Per doz.	Per 100
3-in. pots, 8-9 inches high	$2.00	$15.00
4-in. pots, 12-15 inches high	3.00	25.00
5-in. pots, 20-24 inches high	6.00	50.00

COCOS WEDDELIANA.

3-inch pots	$3.00	$25.00
4-inch pots, single stem	5.00	40.00
4-inch pots, bushy, 3 plants in a pot	5.00	40.00

KENTIA BELMOREANA.

2-in. pots	$	$12.00
3-in. pots, 8-12 in. high, 4-5 leaves	3.50	25.00
4-in. pots, 12-15 in. high, 4-6 leaves	4.50	35.00
5-in. pots, 18-20 in. high, 6-7 leaves, stocky	9.00	75.00

Large specimen plants, prices on application.

KENTIA FORSTERIANA.

2-in. pots	$	$10.00
3-inch pots, 12-15 inches high		15.00
4-inch pots, 15-18 inches high	4.50	35.00

LATANIA BORBONICA.

3-inch pots	$	$10.00
4-inch pots, 12-15 inches high	3.00	25.00
6-in. pots, 18-20 in. high, stocky	9.00	75.00

PHŒNIX RECLINATA.

	Per doz.	Per 100
4-inch pots, 12-15 inches high	$3.00	$25.00
5-inch pots, 15-18 inches high	6.00	45.00

ARECA LUTESCENS.

5-in. pots, 20-24 inches high, 3 plants in a pot	$6.00 $50.00

GEONOMA GRACILIS.

2-inch pots	$15.00

LIVISTONA HOOGENDORPII.
4-inch pots, 10-12 inches high, 7 leaves $4.50 $35.00

LIVISTONA ROTUNDIFOLIA.
5-in. pots, 12-15 inches high, 7-8 leaves, strong $1.50 each, $18.00 per dozen.

ADIANTUM CUNEATUM.

	Per 100	Per 1000
3-inch pots	$7.00	$65.00

ASPIDIUM TENSIMENSE.

3-inch pots	$8.00 $75.00

ASSORTED FERNS.

2-inch pots	$4.00 $35.00

PITCHER & MANDA,
JOHN N. MAY, Receiver. SHORT HILLS, NEW JERSEY.
When writing mention American Florist.

"JADOO"

FIBRE.
Every plant grown in it, thrives without earth.

LIQUID.
The best, safest and cheapest Fertilizer sold.

U. S. Patent & Trade Mark.

THE AMERICAN JADOO CO.
815 Fairmount Ave.,
PHILADELPHIA, PA.

ORNAMENTAL TREES AND SHRUBS.
Roses, Bulbs and Hardy Perennials
In Large Assortment and of Superior Quality.

Fully believe that we can show more Ornamental Trees and Shrubs, and a larger, finer block of Hardy Roses, Hybrid Perpetual Moss and Climbers of the leading popular varieties including the famous Crimson Rambler than can be seen elsewhere. We have 32 greenhouses, several of them devoted to Palms, Cycas, Ficus and Araucaria Excelsa. Personal inspection and correspondence solicited. Catalogue free.

THE STORRS & HARRISON CO., Box 5 Painesville, O.

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PRIMROSES. Extra quality large plants, sure to please. In pots, $4.00 per 100; 250 for $10.00.

MARIE LOUISE VIOLETS, Healthy stock, pot grown, $3 per 100; $25.00 per 1000. Large clumps, field-grown, $4.00 per 100.

CARNATIONS, Scott, T. Wave, S. Spray, E. Pierson, Daybreak, McGowan, large plants, $5.00 per 100.

CEO. H. BENEDICT, Yorkville, N. Y.

SPECIALTIES
IN BEST VARIETIES.
ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y

Albany, N. Y.

DEATH OF ERASTUS CORNING.

Hon. Erastus Corning died suddenly from apoplexy on the morning of August 30. Mr. Corning was prominently identified with the social, business and political life of Albany and was universally held in the highest esteem. It was, however, as a patron of horticulture that Mr. Corning was best known to our readers and there are few who have not heard of or visited his grand collection of orchids at the beautiful estate in Kenwood. Under the skillful care of that grand old gardener, Mr. Wm. Grey, this collection attained the distinction a few years ago of being the finest in America. Mr. Corning was an ardent lover of horticulture and the relations between him and his gardener were of the most intimate and friendly nature. The announcement of his sudden death causes widespread sorrow in this community.

Ivy Leaves.

From "S. M." comes the following: "Please tell through your columns how to prepare English ivy leaves for design work and oblige."

The ivy leaves are often produced under a bench, sometimes on a wall, but wherever they are grown they are always in need of a sponge before being used in a wreath or design. Instead of water either from the pump or hydrant, which is liable to dry and leave anything but a fresh green appearance, take a piece of cloth saturated ever so little with sweet or olive oil and give the surface of every leaf a rub. It will give them a fine glossy appearance and no odor that can be noticed. WM. SCOTT.

Newport, R. I.

On Thursday evening the committee of the Florists', Gardeners' & Associates Club held a meeting to ascertain "where they are at," and the agreeable fact was ascertained that after paying all bills incurred in entertaining the convention visitors there will be a small balance left in the hands of the treasurer. Well done.

LACONIA, N. H.—Frank P. Grant is financially embarrassed. His liabilities are upwards of $2,200, of which about twelve per cent. is owing to Boston wholesalers. Assets are about $300. An attorney is trying to settle for him on a basis of 15 cents on the dollar.

1000 VIOLETS—Marie Louise, 2½-in., $2.50 per 100; $20.00 per 1000.

500 VIOLETS—California, 2-inch, $2.50 per 100; extra strong.

1000 CARNATIONS—Rose Queen, extra fine. $5.00 per 100; $45.00 per 1000.

300 CREVILLEA ROBUSTA, 3 in., 8 to 10 inches high, fine, $5.00 per 100.

300 DRACÆNA INDIVISA, 6-inch, pot-grown, strong 20 to 24 inches high, $20.00 per 100

ADIANTUM CUNEATUM, 3-inch, extra strong, ready for 5-inch, $9.00 per 100.

PANDANUS UTILIS, 4-inch, $3.00 per doz.; $25.00 per 100

OTAHEITE ORANGE, 4-inch, well fruited, $3.50 per dozen.

FICUS ELASTICA, 5-inch, 15 to 18 inches high, $6.00 per dozen; $45.00 per 100.

FICUS ELASTICA, 6-inch, 18 to 24 inches high, $9.00 per dozen; $70.00 per 100.

All stock in A No. 1 condition.

CARL HAGENBURGER, Florist,
. . . MENTOR, O.

ROSES.

To make room for other stock, we offer for immediate shipment, 3-inch pot plants of **BRIDES, BRIDESMAIDS, LA FRANCE** and **METEORS,** at $3.00 per 100.

MARIE LOUISE VIOLETS, strong, 2½-inch pot plants, $2.00 per 100.

I. N. KRAMER & SON,
CEDAR RAPIDS, IOWA.

CARNATIONS. 50,000 strong and healthy field-grown CARNATIONS.

WM. SCOTT, ROSE QUEEN, TIDAL WAVE, ALBERTINI, DAYBREAK, NANCY HANKS, MRS. THOMPSON, PORTIA, LIZZIE GILBERT, CORSAIR, LIZZIE McGOWAN, SILVER SPRAY, STORM KING, IVORY.

$3.00 per 100; $25.00 per 1000. No order for less than 100 accepted.

REINBERG BROS., 51 Wabash Ave., CHICAGO.

4 Acres Field-Grown Carnation Plants, 94,000.

Our carnations are grown with the greatest care. Free from disease, and packed light by our improved system of packing, by which we can send them to all parts of the United States and Canada in perfect condition.

CRIMSON SPORT, BUTTERCUP, IVORY, DELLA FOX ($1.50 per dozen.), JUBILEE, AMAZINDY ($8.00 per hundred.), DEAN HOLE

BRIDESMAID, METEOR, MME. DIAZ ALBERTINI, BRIDE OF EARLESCOURT ($1.25 per dozen.), CHESTER PRIDE, HELEN KELLER ($6.00 per hundred.), DAYBREAK, STORM KING

SWEETBRIER, PORTIA, MRS. CARNECIE, L. L. LAMBORN, SILVER SPRAY, LIZZIE McGOWAN ($1.00 per dozen. $5.00 per hundred.), GARFIELD, GRACE WILDER, PURITAN ($5.00 per thousand.), WM. SCOTT, TIDAL WAVE, ROSALIND

J. L. DILLON, BLOOMSBURG, PA.

ROSES—Clean, strong and carefully grown. Delivered free in New York or Philadelphia.
AMERICAN BEAUTY, 3½-inch $8, 4-inch $12 per 100. BRIDESMAID, PERLE, METEOR, KAISERIN, BRIDE, LA FRANCE, 3½-inch $5.00, 4-inch $6.00 per 100. Special rates on quantities.
SMILAX, $1.00 per 100. ASPARAGUS PLUMOSUS. CALIFORNIA VIOLETS.
A. S. MacBEAN, Lakewood, N. J.

Field Grown CARNATIONS

Good and healthy stock, $5.00 per 100; $45.00 per 1000. Cash with order.

500 Albertini, 1500 Alaska, 500 Craig, extra fine, 500 Peachblow, 1000 Scotts, 1500 Rose Queen, extra, 300 Meteor, 1000 Daybreak, 500 Storm King, 200 Triumph, 500 Tidal Wave, 500 Della Fox, 1000 Fisher, extra, 200 Bridesmaid, 500 Eldorado, 300 McGowan.

E. HIPPARD,
YOUNGSTOWN, O.

VIOLETS
Marie Louise, and California.

Strong, well established, clean, healthy plants, from 4-inch pots, at $4.00 per 100. Field-grown clumps of California at $5.00 per 100.

Carnations.
Daybreak, Silver Spray, Rose Queen, Garfield and Portia.

Clean, healthy, field-grown stock, at $4 per 100. Samples mailed on receipt of 10c to cover postage

L. L. MAY & CO., St. Paul, Minn.

Surplus Carnations.

I have 2000 CARNATIONS, field-grown, at $4.00 per 100, in the following varieties:
200 Tidal Wave, 200 Daybreak, 100 Bridesmaid, 300 Rose Queen, 200 Wm. Scott, 200 Meteor, 400 Minnie Cook, 400 McGowan
SEND FOR SAMPLES.

W. A. WETTLIN, Hornellsville, N. Y.

CHINESE PRIMROSE PLANTS.

Strong and well grown, ready for 3-inch pots. This fine strain enjoys the National reputation of being unsurpassed. Single varieties in choicest assortment, $2.50 per 100. Double vars., $4.00 per 100. Extra plants added to help pay expressage. Adams & U. S. express.

JOHN F. RUPP, Shiremanstown, Pa.
Chinese Primrose Specialist.

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Field-Grown CARNATION
MAYOR PINGREE,
$10.00 Per 100.

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Field-Grown CARNATION PLANTS
3000 McGowan,
2000 Scotts.

J. A. SUYDAM, Flatbush, Brooklyn, N. Y.
Price on application.

ORCHIDS. ORCHIDS.

We do not claim to have everything; but we do claim to have the finest stock of CATTLEYAS. Just what the American Florists want.

Established plants by the dozen or the hundred, and we also expect an early arrival of CATTLEYA LABIATA. Write for particulars to

LAGER & HURRELL,
Orchid Growers and Importers, SUMMIT, N. J.

WINTZER'S
New Pedigree Cannas.

PHILADELPHIA—The finest crimson.
MAIDENS BLUSH—Color of Daybreak carnation.
ALSACE—Nearest pure white. And many other choice new kinds of our own introduction.

Write for special list. THE CONARD & JONES CO., West Grove, Pa.

300,000 SMALL and LARGE FERNS

In variety; well grown; reasonable prices. Send stamps for samples.

COCOS WEDDELIANA, 2½-inch pots, at $6.00 per 100.

CARNATIONS from field, Victor, Daybreak, Scott, McGowan, K. Clover and Eldorado.

B. REDFIELD, Glenside, Pa.

Single Violets.

	Per Doz.	Per 100
Princess de Galles	$1.00	$7.00
Princess Beatrice (new)	1.00	7.00
Admiral Avellan (new)	1 00	7.00
Luxonne	.75	5.00
Petite Blue	.75	5.00

IMPORTANT NOTICE:—All plants are healthy, not diseased nor degenerated; each kind true to name. All stock grown in cold frames without artificial heat of any kind.

SINGLE VIOLETS MY SPECIALTY.

All good kinds furnished on application.

FRANCOIS SUPIOT,

57th St. & Lancaster Ave., PHILADELPHIA

FIELD-GROWN

CARNATIONS

	PER 100
STANDARD VARIETIES, 1st size,	$7.00
" " 2nd size,	5.00
MRS. C. H. DUHME,	10.00
MRS. GEO. M. BRADT,	12.50

F. DORNER & SONS CO.,

LA FAYETTE, IND.

H. WEBER & SONS,

CARNATIONS,

OAKLAND, MD.

ROSES. Extra fine stock, clean and healthy.

BRIDE and BRIDESMAID, from 2½-inch pots, $20.00 per 1000; $2.50 per 100.
BRIDE and BRIDESMAID, from 3½-inch pots, $35 00 per 1000; $4 00 per 100.
GERANIUMS, 3 inch, $4.00 per 100.
CUT SMILAX, 12 cents per string.

TERMS CASH.

NATIONAL PLANT CO., Dayton, O.

When writing mention the American Florist.

STILL HAVE SOME FINE

Perles, Kaiserins, and Brides.

Strong plants. Will close out cheap.

EXTRA STRONG 2-INCH SMILAX, at $15 per thousand.

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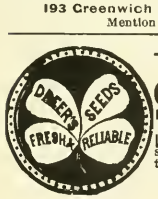
For MILDEW on ROSES

CARNATION RUST, FRUITS AND VECETABLES,

USE FOSTITE; 5 lbs. 50 cts.; 25 lbs. $2.00.

C. H. JOOSTEN, Importer of Bulbs, Plants, Seeds, **193 Greenwich St., NEW YORK.**

Mention this paper.



TRY DREER'S

GARDEN SEEDS,

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER,
Philadelphia, Pa.

Mention Am. Florist when writing.

10,000 FIRST QUALITY FORCING ROSES.

Fully equal to those sent out the last four years, first-class in every respect. Only selected growth from flowering shoots used in propagating.

METEOR, AM. BEAUTY, LA FRANCE, *SAFRANO, BRIDE, 3-inch pots, $5.00 per 100. KAISERIN A. V., PERLE, *MERMET, 4-inch pots, $8.00 per 100. SUNSET, *GONTIER,

J. L. DILLON, Bloomsburg, Pa.

When writing mention the American Florist.

HERR'S PANSIES

ARE

THE BEST.

SEED, $1.25 per 1-4 ounce. PLANTS, $5.00 per 1000; 75c. per 100; 2,500 for $10.00.

SMILAX, fine plants at $1.00 per 100. Sample for 10 cts.

ALBERT M. HERR, Lancaster, Pa.

8000 CARNATION PLANTS. 8000

As fine as can be grown anywhere, 4 and 6 cents each according to size and variety. Honest samples at same prices.

VARIETIES—DIAZ ALBERTINI, SCOTT, DAYBREAK, SILVER SPRAY, METEOR, PORTIA, GARFIELD, GRACE WILDER, BUTTERCUP, TIDAL WAVE.

Also 2000 fine **MARIE LOUISE VIOLETS,** and 500 **VINCAS,** field-grown, variegated and green.

FRANK BERRY, Fairview Greenhouses, Stillwater, Minn.

CHOICE STOCK

CYPERUS ALTERNIFOLIUS, 2½-inch pots, ready to shift.

GREVILLEA ROBUSTA, 2½-in. pots, ready to shift, 40c per doz; $2.50 per 100.

SMILAX, 3½-inch pots extra strong.

ASPARAGUS TENUISSIMUS, 3½-in pots, 50c per doz.; $3.50 per 100.

Also several thousand **CHRYSANTHEMUMS,** nice soft healthy stock, 2-inch pots.

Our selection from good commercial sorts, $2.00 per 100.

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ORCHIDS the Finest Stock in the World. ORCHIDS

For Florists.

SANDER, ST. ALBANS, ENGLAND, and BRUGES, BELGIUM.

AGENT:

A. DIMMOCK, 114 Chambers St., N. Y. City.

H. P. ROSES for forcing.

Clematis, Rhododendrons, Magnolias, Hardy Azaleas, Tree Roses, Etc.

L. C. BOBBINK, Rutherford, N. J.

Branch Horticultural Co., Boskoop, Holland.

ROSES for FORCING.

750 BRIDES, 600 MAIDS, 750 METEORS, 125 PERLES, in 3½-in. pots at $3.50 per 100.

Elegant clean stock. If you are in want of any speak quick.

A. G. PRINCE & CO.,
88 WABASH AVE., CHICAGO.

CARNATIONS

STANDARD VARIETIES.
FREE FROM DISEASE.

IVORY, best white, SCOTT, "MURILLA", ROSE QUEEN, DAYBREAK and PIERSON.

Write for prices.

CRABB & HUNTER, Grand Rapids, Mich.

Marie Louise Violets and Carnations.

Field-grown, $4 00 and $5 00 per 100

Florida Hot Water Boiler No. "H", for sale cheap.

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PRIMULA CHINENSIS, 2-inch pots ..... $2.50 per 100, $20.00 per 1000

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FERNS, 3-inch pots..... $5.00 per 100

CARNATIONS, Field grown Lizzie McGowan and Scott. Write for prices.

VIOLETS. Marie Louise, strong field grown. Write for prices.

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ABUTILON Souvenir de Bonn and Golden Fleece...$3 00 per 100

GERANIUMS. Rooted cuttings.... $1.50 per 100, $12 00 per 1000

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375 fine plants, 3-inch pots; will sell cheap, or exchange for good Meteors.

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Very low prices.

	Per 100
3½-inch MAIDS, fine	$4.50
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3-inch METEORS	2.50
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All worth twice the price asked. Will please you.

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GOOD, CLEAN STOCK ROSES.

700 Beauties, 2¼-in. pots, 4c. 200 Meteor, 500 Bridesmaids, 400 Brides, 2½-inch pots, 2c.
600 Brides, 150 Wootons, 150 Bridesmaids, 4-in. pots 5c. Send 10 cts. in stamps for samples.

COLE BROS., Peoria, Ill.

Terre Haute, Ind.

The flower business, despite the bustle and bustle noticeable in other lines, is still dormant, an occasional funeral design being about all that is being done at present. However, it need hardly be added that this stagnation is but temporary.

Mr. L. Heinl has recently returned from a trip to St. Paul and Minneapolis. He reports having enjoyed a good time, being much benefitted by the trip. Mr. H. has overhauled his entire plant and has rebuilt four houses. Three of these, intended for roses and carnations, cover each 127x20 and the fourth one, for ferns, 12x47. As Mr. Heinl never does things by halves, it goes without saying that no expense has been spared to make the houses models of their kind. The very best material as well as all the modern improvements have been used throughout.

A sight well worth seeing is a house of Nephrolepis cordata compacta grown by Mr. J. G. Heinl. The stock is in perfect condition, the plants looking exceptionally fine and well grown. Mr. Heinl's description of his recent tour through Mexico, is both interesting and instructive. Among other things he speaks very entertainingly of Mexico's native flora. Immense trees of Ficus elastica, producing leaves of great size, are quite common in that country. Adiantums attain a size that it would be hard to compare with anything of their kind here, while Bougainvillea glabra is grown to perfection both as to size and color, some specimens attaining a height of 25 feet and over. Tradescantias and cannas of immense size and beautiful color abound everywhere, the former being grown on the terraces in a way to produce the most charming effects. While in the city of Mexico, Mr. Heinl took a stroll through the flower market, which he describes as something akin to our average markets, except the prices realized for flowers. Everything from a native orchid to the humblest flower can be had there and had for a song at that. Everything is cheap, too cheap to insure that country's prosperity. A large wreath, for example, of the kind that would sell here at this season for $3 or $4 can be had in Mexico for $1, and a Mexican one at that.

Mr. Henry Graham has things in tip top shape, being fully prepared to do a rushing business during the coming season. HOMO.

MARBLEHEAD, MASS.—The most beautiful and popular event of the summer season at Marblehead is the annual flower show. This year's exhibition was the seventh anniversary of the affair, and it ranked fully equal to its predecessors. It took place in Abbott Hall on the afternoon and evening of August 28, and was attended by both permanent and transient residents in large numbers.

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3½-in. pots, bushy, 12 to 15 in. high	$3 00	$20.00
4 " " 18 to 20 in. high	4.00	30.00
5 " " 30 to 22 in. high	6.00	50.00
8-9 " " 3 to 5 ft., $4, $6 & $8 each.		

COCOS WEDDELLIANA.

2½-in. pots, extra fine, 5 to 6 leaves	2 00	15.00
3 " " strong	2 50	20 00
3 " " very strong selected	3 50	25.00
3½ " " "	4 00	

KENTIA BELMOREANA.

	EACH.	DOZ.
5 in. pots, extra strong, bushy, 5 to 6 leaves.		
18 to 20 in. high	$ .75	$8 00
6-in. pots, heavy, 2½ to 2½ ft. high	1.50	18.00
7-in. pots heavy, 2 to 2½ ft. high	2 00	24 00
8-in. pots, 36 to 40 in., decorative size, $3.50 to $6.00 each.		

KENTIA FORSTERIANA.

	DOZ.	HUN.
3-in. pots, 12 to 15 in. high	$2.00	$15 00
4 " 15 to 18 "	4.50	35 00
6 " 2 to 2½ ft. high	$1 25 each.	
7 " 2 to 2½ "	$2.00 to $2 50 "	

LATANIA BORBONICA.

3-in. pots, 2 ft specimens	$15 00 per doz.
6 " perfect specimens, 7-9 leaves, 18 00	"
7 " " 8-9 "	$2.00-$2 50 each

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4-in. pot, 10 to 12 in. high	$1 25 each; $15.00 per doz.
5 " 12 to 15 "	$1 50 each; $18 00 per doz.

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5 "	5.00 per doz.
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FERNS Adiantum Farleyense, 2½ in	10.00
" " 4 in	40.00
" Pteris Tremula and Serrulata, 2½ in	4.00
" in assortment for Ferneries	4.00
GERANIUMS Double New Life, Mme. Bruant, and Fleur Poitevine	8.00
SMILAX, extra strong, 2 in	2.50
VIOLETS, California, field clumps	5.00
CHINESE PRIMROSES in separate colors, strong, 2 in	3.00

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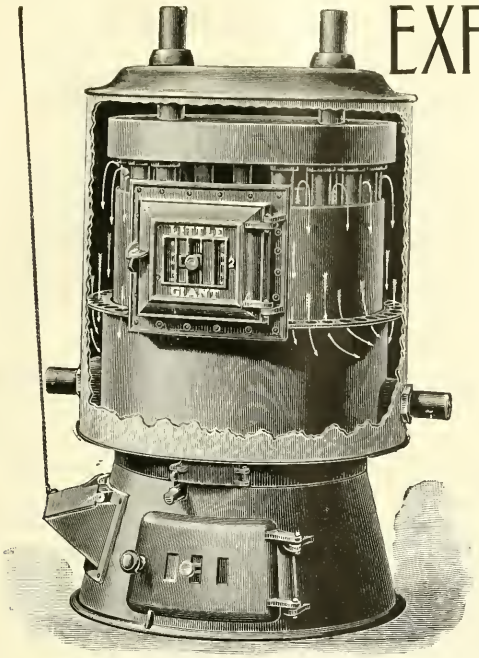
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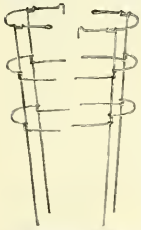


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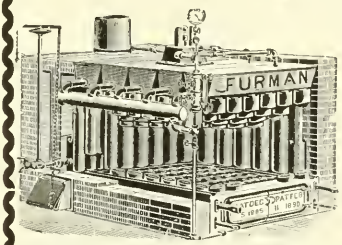
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For several weeks now business has slowly but steadily increased. A good many flowers are disposed of every day in one shape or another, more so than is usual at this season of the year, and we don't hear the retailers complain so often of the dull times, though we can not expect the chronic grumblers to admit that this year's summer trade has been in advance of former seasons. Whatever caused this increase in the demand can not be ascertained, but the fact that very few of the flowers offered daily in the wholesale market remain unsold, shows clearly that this stock is wanted by the retailer or else he would not buy it in such quantities, nor regularly every day as he does now.

The market is fairly well supplied all around with exception of roses, which occasionally have been scarce and often rather poor in quality. Asters are plenty and frequently have to take the place of carnations in making up designs. With all the lively demand, prices of flowers have remained as low as ever for the time of the year, but an advance may be looked for in the near future if the demand continues.

In the greenhouses nearly everybody is preparing for planting carnations, which are this year in very fine condition, owing perhaps to the long continued cool weather. Several violet houses have also been planted during the month of August and are promising to bloom early, but the bulk of the plants is in the field yet; less disease is noticeable among them this year, but it may come on later. K.

Congratulations to Mr. Gude.

Permit me to extend through your columns my congratulations to the S. A. F. on securing so able a man for its president as Mr. W. F. Gude, and to Mr. Gude on his accession to a position of such responsibility. Three cheers for the S. A. F. and its young president-elect, from the hills of West Virginia.

GUSTAVE OBERMEYER.

School for Florists.

Replying to "M. S." we do not know of any school where you may learn the florist trade. The nearest approach to such a school is the course in horticulture at the Missouri Botanical Garden, St. Louis. Address the director, Prof. Wm. Trelease, St. Louis, for particulars.

STILLWATER, MINN —Frank Berry has taken a three-year lease of the greenhouses of Kuehn & Nehring. He has also added three houses to his own plant, giving the latter a total of 7,000 feet of glass. As the leased houses contain 5,000 feet, he now controls a total of 12,000 feet of glass.



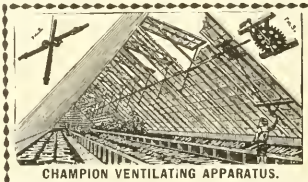
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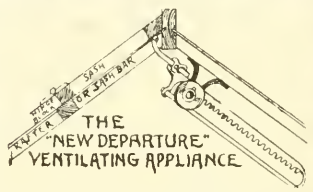
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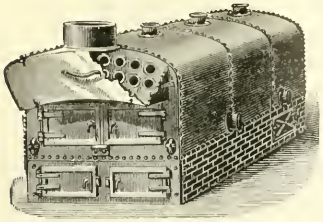
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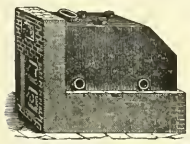
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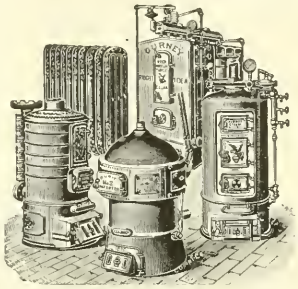
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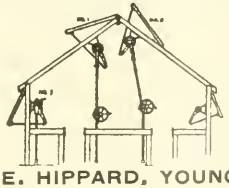
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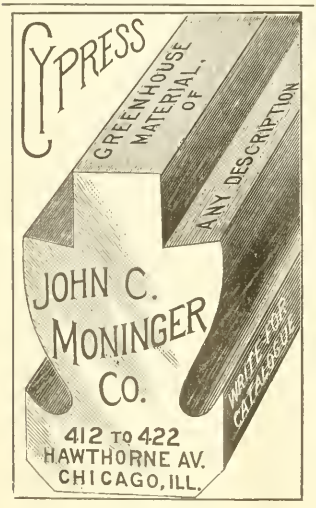
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TOPEKA, KANS.—The first annual convention of the Amateur Florists' Association of Kansas will be held here September 30 in the state capitol, on floral day of festival week. The professional florists have been invited to join the convention.



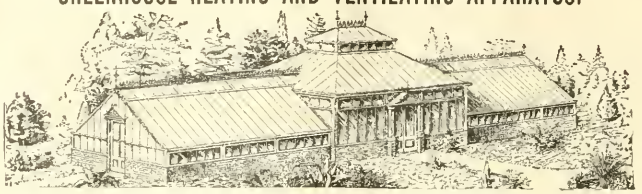
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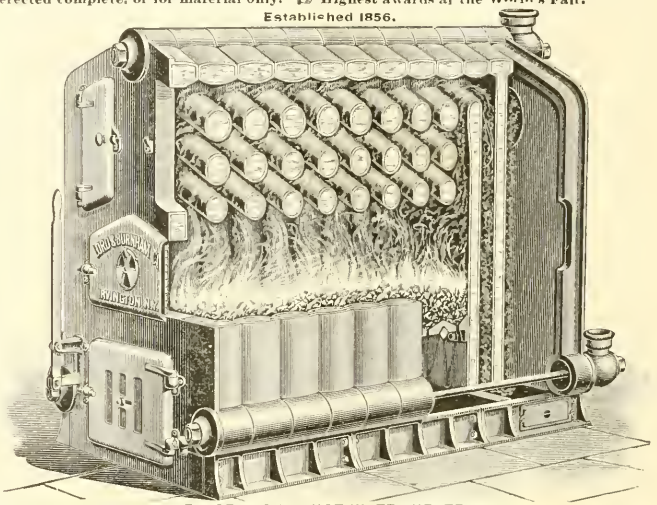
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America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—ADAM GRAHAM, Cleveland, O., president; FARQUHAR MACRAE, Providence, R. I., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer.

OFFICERS-ELECT (To be installed Jan. 1, 1898)—Wm. F. Gude, Washington, D. C., president; A. Donaghue, Omaha, Neb., vice-president; secretary and treasurer as before.

The fourteenth annual meeting will be held at Omaha, Neb., August, 1898.

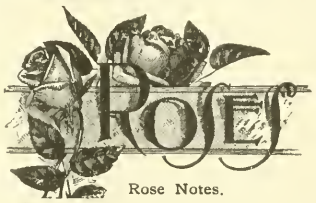
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UTICA, N. Y.—Peter Crowe has taken into partnership J. O. Graham, lately of Binghamton, N. Y. It is the intention of the new firm to erect additional greenhouses in the near future.

READING, MASS.—On the evening of August 31, a meeting was held for the purpose of organizing an amateur gardeners' society. Thirty-four names were entered on the roll and officers were elected.

MILLBROOK, N. Y.—The regular meeting of the Dutchess County Horticultural Society was held at Memorial Hall on the evening of Wednesday, September 8. An instructive paper was presented by Mr. Thos. Harrison upon "Outside fruits for the family table."



Rose Notes.

There will be little going on in the rose houses this month except the routine of cleaning, tying, and pinching off the buds but if we propose to keep everything neat and clean and in perfect order we shall not need to go in search of a job to fill in the time. We shall find it not a waste of time if we go over the benches once every week, and after picking off any dead or dying leaves scratch over the surface of the soil, it does not consume much time but does add to the appearance of the plants.

I would advise taking advantage of the cool evenings to fumigate at least once or twice a week, as long as we are not cutting any flowers the smoke cannot possibly injure anything, unless the house is too hot at the time, or the work is done by a very careless or inexperienced man. It is poor policy to wait until the plants are covered with fly and have crippled much of the tender foliage; it is much better to start in time and render it impossible for the fly to ever get a foothold.

The thrips that have been so troublesome on Beauties during the last few years seem to be extending their field of operation this season, and are to be found in quantity on Brides, Maids, Testout, Kaiserin, and probably other varieties. In some instances there seems to be actually millions of them to a house. I have found nothing so far that answers so well as an exterminator of this pest as tobacco smoke; it is no use to play at smoking though for thrips, it must be done thoroughly and frequently.

A gentle reminder that abundant ventilation at this season is very desirable may not be out of place, though I have harped on this string more than once during the last few months. As a rule we have a good many bright sunny days during September and October, with cool nights, ideal weather for rose growing, and we may turn this charming weather to good account by ventilating freely whenever possible, and so secure hardy, strong, and robust foliage and plants, exactly what we need to begin the winter campaign; or we may pamper our stock through fear of mildew or black spot, and find ourselves possessed of a lot of weak straggling things quite incapable of producing any really first-class bloom.

Hybrids intended for Christmas must be pruned not later than September 15. The best growers now prune this class of roses down very low leaving not more than from 6 to 9 inches of the current season's wood, in preference to the bending over system. The English growers I notice prune much lower than is customary in this country, but they start them very slowly and do not aim to have them in bloom earlier than February 1, and with their system severe pruning seems to be the proper thing. In my own experience I have found that those started up earlier than November 1, should not have the extra strong shoots cut back too hard, as the lower eyes on such wood are very slow to start. There is apt to be considerable spider on the old leaves that have fallen, and they should be taken out and burned, and everything in the house, on the benches and underneath put in good shape. The benches may receive a mulch at once or it can be left until the eyes begin to break. A good heavy syringe two or three times a day will be needed to moisten the soil and assist the eyes to push. If the outdoor temperature does not fall below 50° full air should be kept on both day and night. Pot plants that may be standing outside can be pruned and left there for two or three weeks with advantage, syringing and watering of course just the same as if they were in the greenhouse.

Carried over teas that have been properly rested should be cut back without delay. Some growers object to pruning a tea rose any further than to merely trim out a little of the thin wood and take the tips off the strong ones; others again cut out everything and leave only a stump. Good or poor success may follow either of these methods according as the plants are weak or strong or the cultivator is skillful or otherwise, but I think that a middle ground is much to be preferred to either extreme. One point however, I am satisfied on, namely, that tea roses may be pruned quite severely and sustain no injury, provided they are properly rested in advance. When there is sufficient head room I prefer to allow them to grow in an upright position, otherwise they will do equally well bent over, in the latter case, however, it will be necessary to trim out more of the small wood or it will eventually be smothered with the stronger growth. After pruning a cool moist air day and night will furnish the best conditions for strong vigorous growth.

ROB'T SIMPSON.

Sowing Rose Seed.

I have some seeds taken from a seed pod of a tea rose. I desire to plant these seeds and would like to know whether they should go through a course of stratification before planting, and if so how would you advise me doing the same, the seeds being now thoroughly dry and ripe. Also what kind of soil should be used?

SUBSCRIBER.

In reply to subscriber will say sow rose

seed as soon as ripe. Break the pods and separate the seeds. Pots or shallow boxes containing five or six inches of light soil supplied with good drainage is all that is needed to sow them in. Cover ¼ to ½ inch, firm moderately and place in a light airy position. Keep the soil moderately damp.

Rose seeds germinate with great irregularity; some will come in a few weeks, others two or three months, although they have been known to remain dormant for a year before making their appearance. This irregularity is probably due to the very hard shell of the seed.

ELMER D. SMITH.

Palm Notes.

What not to grow is sometimes of quite as much importance to the florist as the reverse of this question, and in the matter of palm growing there seem to be various pitfalls that beset the beginner, some of which may be briefly noted in the present paper.

One of the first suggestions to the tyro in the palm business is to avoid too great variety in stock, it being much more satisfactory to both grower and consumer if the first efforts of the grower are directed toward the production of only three or four species in thoroughly satisfactory specimens. Size is not by any means the only quality one should aim for in growing plants of this class, but perfection of shape, clean and healthy foliage, and also good substance of the latter, are among the most desirable points, for while every florist has some customers who can only be satisfied with quantity, yet it does not take such a great time to educate them to somewhat higher standards.

And as an example of what can be done by proper methods it may be stated that an ideal plant of the common Fan palm, Latania borbonica, in a 6-inch pot should hold *all* its foliage up to that stage, and as a matter of fact I have frequently seen plants of this useful species still holding the seed leaf when well established in 8-inch pots.

Of course it is useless to expect plants of the above description if the young stock is not given a reasonable amount of space and light, and shifted on from time to time before starvation compels the loss of the lower leaves. The kentias will also hold their foliage for a considerable time providing the plants are given sufficient space, and if kept clean and well cared for it is not unusual to see the seed leaves in good condition on a plant in a 6 or 7-inch pot.

Areca lutescens seldom holds the seed leaf as long as those above referred to, but from the fact that this species naturally throws out secondary growths around the base, it is comparatively easy to have well furnished plants if reasonable space and light be given.

Areca rubra has been tested by many growers, but is usually discarded after a few seasons, for while this species makes a graceful and handsome specimen, its foliage is tender and too easily injured to be a profitable decorative plant, and it also requires a somewhat high temperature to ensure rapid growth and good color.

The two palms variously known as Areca Baueri and A. sapida, and also as Kentia Baueri and K. sapida, but both of which are correctly rhopalostylis, find considerable favor with European growers of decorative stock, but being rather slow in growth while young, have not met with much demand here, and should therefore be taken up cautiously by the small dealer.

The rhopalostylis are however, much tougher and have more merit than Areca alba and A. aurea, two forms that are of similar character to A. rubra though abundantly distinct therefrom.

Euterpe edulis and Oreodoxa regia were both more common in the trade about twenty years ago than they are now, and while both are admirable for outdoor planting in the extreme southern states, yet neither have much value in a small state for florists' use, a spindly habit and sparse foliage being characteristic of these plants during the juvenile period.

Chamærops excelsa, C. humilis and Corypha australis are all of some value as vase plants and for an occasional decoration, but are rather slow in growth while young and not much in demand for retail sales. These three palms can be safely recommended on the score of hardiness, and in fact can be wintered in a temperature of 45° without injury providing they are not over-watered.

Among cocos, of which there are a number of species, the only really necessary one for the average dealer is the well-known C. Weddeliana, which is almost indispensable in filling ferneries and for low table designs. Of the other species of this genus, there are two or three which crop up from time to time, notably Cocos plumosa, C. flexuosa and C. Romanzoffiana, all of which are highly ornamental in large specimens, but in a small state have only simple leaves and remind one of Curculigo recurvata, though not as rapid in growth as the latter plant.

The geonomas also have but little value as florists stock, with the exception of G. gracilis, the latter being almost as graceful as Cocos Weddeliana, though not quite as easy to manage as the last named.

Seaforthia elegans and Ptychosperma Alexandræ are excellent plants for planting out in a conservatory, and are also of some use in a small state, but neither can be recommended to a customer with the same freedom one would use in presenting a latania or a kentia. And while both seaforthia and ptychosperma are easy to germinate and quick in growth, yet their foliage is soft and does not wear well in a dwelling.

The phœnix are a sturdy race of palms, and several sorts are easy to procure, but if confined to one species only I would recommend P. reclinata, this being one of the most rapid growers in the genus and bears exposure well, either for decorating or for house culture, and is much to be preferred to the common Date Palm, P. dactylifera.

W. H. TAPLIN.

Fancy Leaved Caladiums.

The accompanying engraving is from a photograph of the fancy caladiums in one of the greenhouses on the estate of the late Geo. W. Childs, at Bryn Mawr, Pa. Mr. John Hughes, the superintendent, gave the following details as to their culture.

The bulbs are potted in June, five to six large ones being placed in a 12-inch pot, in which the plants remain from first to last. The soil used consists of one part loam, one part rotten manure, and a spade full of sand and the same of bone dust to every twenty of soil. After the potting a good watering is given, but no more for a while, relying altogether on syringing overhead, which is done three times a day. The belief is that under this treatment roots are formed quickly, and the pots are well filled with them before much top is made.

After this, when fair tops are formed, the plants are given manure water three times a week, quite weak at first, but stronger as growth gets stronger. They are grown in an ordinary greenhouse, with no fire heat excepting towards fall, when a slight fire is started at night to counteract any harm which might come from the chill air. Free ventilation is given at all times, but in a way that will not cause a draft, and the glass is shaded. Towards the close of September water is gradually withheld to dry off the bulbs. When the tops are dead, showing the bulbs to be ripe, they are taken out of their pots and placed in a sunny, dry place in the greenhouse, to get thoroughly dried, when they are cleaned, and the bulbs placed in pots and covered with dry sand. Boards are placed on the hot water pipes, and the pots of bulbs set on these, to remain there all winter. They get no water from that time until they are repotted in spring. About one hundred and seventy sorts are grown, including the best of the new and old varieties.

Many of the plants shown in the picture were five to six feet across. One, a fine plant of bicolor splendens, was six and a half feet, and a magnificent Mons. Hardy was seven feet.

Mr. Hughes regards the following two dozen sorts as among the best: Alba lutea, Beta, bicolor splendens, Boildieu, candidum, Chantini, Clio, Cannaertii, Duchartii, delicatissimum, Excellent, Emperor of Brazil, Gustav Engelhart, Lindeni, Mons. A. Hardy, Madame Sheaffer, Madame Bleu, Meyerbeer, nobile, Perle de Brazil, Prince Albert Edward, Triomphe de l'Exposition, Wightii, Wm. the Third.

M.

Massachusetts Horticultural Society. Annual Exhibition.

The annual plant and flower exhibition of the Massachusetts Horticultural Society was held on Wednesday and Thursday, September 2 and 3. It was, as most of the exhibitions of this society now are, free to the public, and the halls were crowded continuously.

The upper hall was devoted exclusively to the plants, which were arranged in enormous groups with serpentine walks among them, forming a very pretty effect but necessarily crowded so that the beauties of the gigantic and stately palms, tropical foliaged plants and superb specimen ferns were but poorly displayed. No better argument for a new hall is needed than is presented in a visit to one of these annual shows. Nowhere in America can a grander exhibition of perfect specimen greenhouse plants be gotten together than is possible when the expert gardeners of Boston are so inclined and it is to be regretted that such utterly inadequate facilities are provided.

Nothing finer in groups of foliage plants has been staged here for a long time than the collection shown by J. S. Bailey (Wm. Donald, gardener), and that from John L. Gardner (Wm. Thatcher, gardener) was a close second. A beautiful specimen of Alocasia Sanderiana in Mr. Donald's group was awarded a silver medal for superior culture. In the lesser sized groups and in the palm classes J. H. White (J. H. Wheeler, gardener), Dr. C. G. Weld (K. Finlayson, gardener), John L. Gardner and N. T. Kidder (Wm. Martin, gardener), competed, and rare and beautiful specimens abounded. J. H. White's Eurya latifolia variegata was a stately example of this beautiful plant. A certificate of merit went to Dr. Weld's Heliconia illustris rubricaulis. Other perfect specimens in Dr. Weld's groups were Dracæna Doucetti, Acanthophœnix crinita and Licuala grandis. The judges



FANCY-LEAVED CALADIUMS.

were so entranced with a collection of thirty varieties of crotons from J. E. Rothwell (J. Mutch, gardener) that they voted it a silver medal.

Caladiums were grand. They came principally from N. T. Kidder and Dr. C. G. Weld. Some of the best varieties were La Perle du Brazil, Candidum, Leopold Robarts, Triomphe de l' Exposition, Excellent, Sir Walter Scott, Itique, Reine Marie de Portugal and Princess Alexandra. Harvard Botanic gardens (Robt. Cameron, gardener) contributed a large group of decorative plants in which Martinezia simplex, Geonoma serrata, Kentia McArthurii, Myriocarpa stipitata, Nephrolepis exaltata var. hirsutula and Nephrolepis acuta were conspicuously fine. A collection of Japanese plants and curiosities including dwarfed and contorted ferns, cycads, bamboos, pines, maples, etc., was shown by B. Muto and the odd things attracted much attention from visitors.

Ferns were shown in good variety and form by J. H. White, Dr. Weld, E. S. Converse and John Jeffries, and lycopods by Dr. Weld. A specimen of Nephrolepis exaltata measuring eight to ten feet from tip to tip of the drooping fronds came from C. H. Souther. Begonia Rex from E. S Converse (D. F. Roy, gardener) and Jas. L. Little were very good. The latter showed a set of twelve splendid Rex hybrids, plants averaging three feet across, and a good group also came from W. S. Lincoln. There were fewer orchids shown than usual. A group of ten cypripediums from J. S. Rothwell included the beautiful C. Cornlngii.

Flowering plants were more in evidence than has generally been the case at these annual plant exhibitions and these helped out the crotons and caladiums in supplying the necessary brilliancy where color would otherwise have been badly missed. J. H. White contributed a large number of fuchsias and flowering begonias. Cannas in bloom from John Jeffries, J. L. Little and J. W. Howard filled a long-felt want. Two specimens of Begonia Haageana with massive pendent clusters of flowers from Jas. L. Little (Geo. P. Green, gardener) were among the finest things shown and there was an unusually well-grown pyramidal Clerodendron Balfourii from N. T. Kidder. Mr. Kidder also showed Cuironia exigua with an abundance of pretty pink blossoms, and C. H. Souther had a fine specimen of Anthurium Brownii.

The prizes of $25 and $20 were apparently not regarded as an inducement equal to the S. A. F. medal which brought out such fine displays at Providence, for there were no entries in this class.

In the cut flower department which was confined to the lower hall and corridors there was a bewildering sea of color. There were nasturtiums, marigolds, zinnias and other garden favorites in profusion and dahlias fairly overwhelmed everything else. There were dahlias enough if well displayed to fill the lower hall. Good judges pronounced the dahlia show to be the best ever given in this country. There were show, fancy, cactus, liliputians and singles in endless variety and the popular interest in the dahlia was very evident. On general display filling one hundred or more bottles the prizes were awarded respectively to H. F. Burt, W. C. Winter and Lothrop & Higgins. John Endicott & Co., L. W. Snow and John Parker divided with the above exhibitors the premiums on the special classes and large quantities were staged by W. W. Rawson. There was considerable confusion as to classification and quite a number of disqualifications for informality were noted in consequence. The reviving importance of the dahlia as an exhibition flower makes it imperative that a standard classification be adopted and well understood hereafter.

The aquatic plants, of which there were large tanks from Oakes Ames and L. W. Goodell, were as usual greatly admired. H. A. Dreer showed Nymphæa Doogueana and Nymphæa Gurneyana, two new seedlings, the former white with a soft pink flush, the latter deep red.

Interesting individual exhibits were gladiolus "White Lady" from H. A. Dreer, improved Drummond phlox and verbenas from L. W. Goodell, zonal geraniums from George Hollis, seedling coleuses from C. A. Perkins, Nymphæa Devoniensis from W. B. Shaw, dahlia "Seraph" from Edwin Davenport and seedling canna "Sen. Geo. Peabody Wetmore" from Robert Christie.

There was a large display of foreign grapes contributed by Miss E. J. Clark, J. H. White, E. S. Converse and W. C. Winter.

C. H. Allen of Floral Park, N. Y., and W. F. Dreer of Philadelphia were among the visitors.

Aquatic Flowers at Providence.

In the beautiful collection of aquatic flowers exhibited by Carl Blomberg, gardener to Oakes Ames, which won the silver medal of the Society of American Florists at Providence, the following hardy nymphæas were included. N. odorata and its varieties minor, sulphurea, Carolinieuses and rosea; N. Marliacea albida, N. M. Robinsonii, N. M. lucida, N. M. tulva, N. M. rosea, N. M. chromatella, N. M. purpurata and N. M. fulgens; N. Laydekeri rosea and Nelumbium speciosum.

Tender kinds shown were N. zanzibarensis, N. z. rosea, N. stellata, N. stellata Eastoniensis, N. zanzibarensis Mme. Anna C. Ames and N. scutifolia. Other aquatic plants of which specimens were included were Limnanthemum lacunosum, Pontederia crassipes major, Sparganium simplex, Rhyncospora alba, R. glomerata, Sagittaria variabilis, Juncus effusus, Myriphyllum proserpinacoides, Scirpus eriophorum, S. lacustris, Acorus Japonicus variegatus, Cyperus alterniifolius, C. strictus (pungens), C. Papyrus (Papyrus antiquorum) and C. strigosus.

Petunia Mrs. F. Sander.

This is undoubtedly the most beautiful of all the double petunias introduced, of a most charming pink color which is enhanced under artificial light. The large globular blossoms are produced with the utmost freedom and are beautifully frilled.

Its durability is remarkable for a petunia and the odor is very agreeable. Although the mass of petals is so thick the flower tube never splits and a plant in flower makes a charming object. It has created much interest at all the prominent exhibitions and has received a number of awards. A. DIMMOCK.

New York.

TRADE CONDITIONS —CARNATIONS SELLING BETTER —VIOLETS COMING IN ALREADY. —DINNER OF THE N Y. GARDENERS' SOCIETY.—A GOLD WATCH FOR WM. WINCOTT —JOHN WEIR RETURNS TO WORK —CLUB MEETING NEXT MONDAY EVENING —LOCAL ITEMS.

Trade during the past week has not kept pace with the rapidly increasing quantity of flowers being sent in to the market. The bulk of the roses received is cut from young stock and is, as a rule, small sized. American Beauty sells rather better than it did last week but it is only the longest stemmed ones with good blooms that bring anything like a steady price. Roses of standard varieties in small and ordinary grades bring from $7.50 to $10 per thousand, a little fancy stock going for $3 and $4.

Carnations sell better and are really the only flowers enjoying any sort of a regular market the supply of desirable blooms being limited. Asters are less plentiful than at last report, but still over plenty for the demand. The violet outlook for the winter is very good, although most of the growers in Poughkeepsie and vicinity planted later than usual. Still the stock in general looks well and many will begin to ship regularly by September 15. Sample small bunches can be seen in market occasionally even at this early date.

The retailers are not yet finished with renovating their stores and consequently there is no attempt at carrying any more stock than is necessary to fill their orders.

The annual dinner of the New York Gardeners' Society will take place at the Grand Central Palace on Saturday evening, September 11. A good time is promised and it is expected that there will be also a fine exhibition.

On last Saturday evening Mr. Wm. Wincott, foreman at Mr. Sutton's West Islip greenhouses, was surprised by a party of his friends who presented him with a very handsome gold watch, Mr. Sutton making the presentation speech.

John Weir has just returned from his vacation looking well and hearty and says that he is prepared now to do battle with the commission men another season. His appearance bears out the statement.

Messrs. C. F. Babret and G. Babret, of Poughkeepsie, will arrive home on the St. Paul on Friday of this week. Mr. Fleischman is expected by the 15th. Mr. Thorley will not return before October 1.

A large attendance is looked for at the club meeting on Monday next, September 13, as some one will probably be present to speak of the trip to the S. A. F. convention at Providence.

The outing of the John J. Foley Association took place last Sunday at Queens, L. I., and is said to have been a brilliant success.

Rob't M. Grey, recently of Minneapolis, has taken the position of foreman at the establishment of Julius Roehrs at Rutherford.

W. J. Knight, of Newark, N. J., has been appointed receiver for the F. E. McAllister Company.

Boston.

WHAT IS GOING ON IN THE HORTICULTURAL SOCIETY —MR M. H. NORTON ENTERTAINS AT HIS SUMMER COTTAGE. — JACKSON DAWSON RETURNS FROM EUROPE —C. J. DAWSON GOES INTO THE PARK DEPARTMENT.—DEATH OF G. W. MARSHALL'S CHILD.

Outside of the annual plant and flower exhibition which is described in another column the past week has been barren of sensation or special incident in this vicinity. The annual exhibition brought to a close the series of weekly exhibitions at Horticultural Hall and the annual show of fruit and vegetables is the only notable event intervening between the present time and the chrysanthemum show, which will undoubtedly equal any of its predecessors in interest and value. The regular nomination ticket for officers and committees of the Horticultural Society was presented at the monthly meeting on Saturday, September 4, and there being only a few minor changes from the ticket of last year the acceptance of the list at the polls is a foregone conclusion. The garden committee has had a busy time visiting places in competition for the various prizes which it controls and several more trips are in prospect. The vegetable gardens of Sumner Coolidge at East Watertown were visited on August 31 and a trip to Taunton is scheduled for Thursday of the present week.

Mr. M. H. Norton invited a few of his friends to visit him on Labor Day at his summer cottage at Hough's Neck. It would take a big house to hold all Mr. Norton's friends and the list was necessarily limited to the size of the cottage. The fortunate ones were treated to one of the pleasantest events in the long series of reunions which have grown to be so essential as factors in the social existence of floricultural Boston. About twenty-five gentlemen responded to the invitation, among them being the veterans John Galvin and Fred. L. Harris, the "Boston twins," Warren Ewell and Fred. Mathieson, Superintendent Pettigrew of the Park Department, "Little Woodie," E. M. Wood, Alex Montgomery, James Comley from Lexington and Jos. Fuller from Leominster.

The day was all that could be desired, a perfect September day. The elm-shaded streets of old Quincy town never looked prettier and the blue waters of the bay, dotted with islands and as smooth as a mirror, presented a picture long to be remembered. The cottage is close to the water's edge and several of the visitors could not resist the temptation to take a swim. It cannot be truthfully said, however, that these gentlemen in their striped bathing suits added materially to the beauty of the scene.

The dinner was under the immediate supervision of Mrs. Norton, who with the other members of her numerous household won the everlasting gratitude of about as hungry a party as ever built up an appetite on sea air. In the indispensable after-dinner speeches this was the theme for every one, and had the big-hearted ex-president of the S. A. F. not been already a reigning favorite, his popularity would have been fixed forever by that dinner.

Jackson Dawson returned from his European trip on the Catalonia, Monday, 6th inst. He saw many interesting places on his journeys and met many friends and gentlemen of horticultural fame who treated him with great kindness, but he failed to find a collection of hardy treee and shrubs equal to that in his own Arnold Arboretum, and, notwithstanding his many interesting experiences, returns convinced more than ever that his home is in the most favored land under the sun.

Chas. J. Dawson, who has had charge of the greenhouses at the Bussey Institution for some years, has accepted a position in charge of a portion of the planting department in the public parks under Mr. Pettigrew, a place for which he is eminently fitted.

Robert P., the little son of George W. Marshall, of Everett, died on Saturday, August 21.

Rochester, N. Y.

BUSINESS CONTINUES TO IMPROVE —NO SCARCITY OF STOCK EXCEPT ROSES — FINE ASTERS —EARLY COSMOS.—HARDY FLOWERS —THE FLORISTS' PICNIC.

Business conditions continue with the same encouraging upward tendency. There is no scarcity of flowers, however, though on some occasions during the week past roses were short in supply and everything in the shape of a rose, good or bad, was eagerly taken up. There is a very good demand for outdoor stuff but it has to be of A1 quality; the poorer grades are not wanted.

Large long stemmed asters never sold as well as they do this year, but they are beauties, better in fact than we have ever seen them before, 5 to 6 inches across on an average and as perfect in shape as a chrysanthemum. They are Semple's varieties and Vick's branched. The season was especially favorable for their growth and we hear very little of disease in this locality. Cosmos Early Dawn has been in the market for more than a month and takes surprisingly well. In our climate we can not grow the ordinary late varieties profitably because frost is almost



PETUNIA MRS. F. SANDER.

sure to destroy them just as they begin to flower, while Early Dawn begins in July and holds out until frost. Of the helianthus, the semi-double lætiflorus takes the lead in the market; it is smaller and more graceful than any of the multiflorus type and has a long slender stem. Rudbeckia Golden Glow also meets with ready sale, but the flowers must not be cut before they are fully out; half matured they show a greenish center which spoils their looks. Stems of gladiolus and tuberoses do not sell near as well as in former seasons, the market is over flooded with them.

Next Friday all our florists will close their stores promptly at noon and take a half holiday to attend the annual picnic of the florists. Extensive preparations are going on now under the management of our commission man, J. W. Keller, and there is no doubt that the affair will be an immense success. All sorts of athletic games, shooting, pitching quoits, running races of fat and lean florists, jumping, etc., will be on the program among other good things. Several guests from out of town are expected to be present. Oakwood, the celebrated and at the same time secluded and fashionable summer resort near here, is the place selected for the grand occasion. It is strictly a temperance place, for no liquor of any kind is exposed there for sale, but J. W. has amply prepared for emergencies; doctor's certificates for all participants are in readiness to be presented at the new drug store which was temporarily erected in the beautiful glen. Oakwoods soil is not fertile enough for electric light plants, so at night fall the congregation will have to adjourn to the nearest bowling alleys in the town of Brighton, where electric lights are abundant and the "Red lanterns" so well known here as well as in some parts of New York and Brooklyn, are furnished on shortest notice. K.

Fire Insurance.

TO THE FLORISTS OF AMERICA: At the Providence convention of the Society of American Florists the undersigned committee was appointed to ascertain whether or not the trade really desires a mutual fire insurance association, and if so to proceed with the formation of a permanent organization. We want to accomplish this work quickly and respectfully request a response at once, stating what amount of insurance you would take providing a satisfactory organization were effected.

You will find the committee's report in the trade papers reporting the proceedings of the convention. Should you care to make any suggestions they will be thankfully received and cheerfully considered. All questions will be gladly answered by any member of the committee. When you state the amount of insurance you would take please also state when present insurance, if you carry any, will explre.

The members of the present committee have for five years given the matter careful attention, and after weighing every objectionable feature carefully, are now convinced that the scheme of a mutual fire insurance among the florists is practicable. There are skeptics on the subject. The hail association had the same trouble, and all know how it has triumphed.

Kindly address at once the member of the below named committee who is nearest you, and state how much insurance you would carry should a satisfactory organization be effected. Do not delay. Give us the encouragement of your support. We need you; you need the insurance which we are satisfied we can give you for less than fifty per cent of present underwriters' rates. Write to one of us immediately.

Respectfully: E. H. Michel, 1620 Olive street, St. Louis, Mo.; J. G. Esler, Saddle River, N. J.; E. A. Seidewitz, Annapolis, Md.; W. J. Vesey, Fort Wayne, Ind.; M. A. Patten, Tewksbury, Mass.

[The above announcement of the committee on fire insurance should receive prompt response from all in the trade. If you want protection against fire at reasonable rates now is the time to make your wishes known. The committee have been to a good deal of trouble to formulate a practical plan for providing satisfactory mutual insurance against fire, and it now rests with the trade whether it shall have such protection at mutual rates.—ED.]

Toronto.

THE EXHIBITION.—FINE DISPLAY.—UNSUITABLE BUILDING.—LABELLING.—LEADING AWARDS.—VISITORS.

In the miserable, dark, dingy old shed they call a "Horticultural Hall" up at the Exhibition is to be found a first-rate show of plants this year, which with proper space and a decent place to show them off would make as good a display as could be seen in the country. But situated and placed as they are very few of the best specimens show off their chief points of beauty nor, as far as I can see, can they be made to do so in such an unsuitable building. In these days of horticultural enlightenment one expects something better from a big affair like the Industrial Exhibition of Toronto, and with two flourishing societies like the Gardeners' and Florists' and the Horticultural in the city something better should be insisted on.

And now I am finding fault, there is another thing I think should be remedied. Hardly a plant in the whole show was labelled, although one of the regulations says "All articles to be correctly named and properly labelled." But the rule has not been strictly enforced I believe for years, if it ever was, and so exhibitors have become careless. Now I do think that it is very important that, in a show like this especially, the names should be on every plant separately exhibited (of course one could hardly expect it on a decorated table). During the second week of the fair the hall is crowded every day all day long. Do the people know any more when they go out than when they come in? Can they learn anything as matters are at present? Let it be understood next year that the judge will enforce the rule in future and the complaint will not have to be made again.

There were four entries in the section calling for 75 distinct stove and greenhouse plants, and, needless to say, there were some magnificent specimens shown. Exhibition Park (John Chambers), Central Prison (W. Houston), Horticultural Gardens (A. Watkins) and Reservoir Park (G. Reeves) were the exhibitors and the prizes were awarded in the order given. For the most tastefully arranged table of plants 16x19 feet there were three entries, Manton Bros., The Asylum (J. Graham) and Grainger Bros., all very good. The first named was a very pretty table with a great variety of both flowering and foliage plants. Orchids were rather poor. Palms very good in all entries, Mr. F. G. Foster, the judge, saying they were the best lot he had ever

seen here. Ferns were also very good, especially the 12s shown by the Central Prison and Exhibition Park; the Neottopteris nidus avis among the former and Davallia Mooreana in the latter were worthy of special mention.

Flowering plants, stove and greenhouse, were a great improvement on former years and made a really fine show. Manton Bros. took first prize for tuberous begonias with 12 very healthy well grown plants. The first prize for hanging baskets was as usual taken by Mr. J. Graham, of the Asylum, with two beauties that would cover the side of a house, nearly. The Central Prison took first for fancy caladiums with a fine lot of varieties, new to these parts. A great source of interest was a large plant of Cycas revoluta in flower, grown by Mr. Rob't Gore, gardener to Sir Casimir Gzowski. Cut flowers come in next Tuesday.

The flower beds in the Exhibition Park are looking very attractive and gay just now, and, thanks to the weather, the grass is beautifully green. The gardens of the Mercer Reformatory, which is passed en route to the Exhibition, are also looking exceedingly pretty now and attract lots of attention.

Mr. Geo. Vair has bought the old greenhouses at Chestnut Park, the estate of the late Sir D. L. Macpherson, where he was gardener and steward for many years. Mr. Vair helped to build these greenhouses over 40 years ago. He has already disposed of all the piping, put in by Hitchings & Co., and I believe most of the glass. Everything was of the very best quality.

Visitors to the fair: Mr. T. Meehan, of Philadelphia; Mr. M. A. Wilhelmy, of Cleveland; Mr. F. G. Foster, of Hamilton; Mr. Lovell, of Galt; and many others whose names I was unable to procure. If the weather keeps fine the attendance at the exhibition promises to beat the record. E.

Philadelphia.

SIGNS OF IMPROVEMENT. — PLENTY OF FLOWERS.—WANAMAKER OPENS PLANT TRADE.—MEETING OF FLORISTS' CLUB — NOMINATION OF OFFICERS —REVIEW OF PROVIDENCE CONVENTION —THANKS TO PROVIDENCE AND NEWPORT CLUBS —A FINANCIAL QUESTION FOR NEXT MEETING.

There are signs of improvement, slight to be sure, but like the "cat's paw" on the water which precedes the steady breeze, they are, it is to be hoped, the forerunners of the wind that will fill the now flopping sails and send the barques of trade along at full speed.

There are plenty of flowers and the first quality stock is quite good enough for the prices realised. The average roses, however, had better be disbudded for a while and get up into the higher class later on. Beauties can now be had with 20 to 24 inch stems and good quality flowers; $1.50 per dozen is about the price for the best. Teas, first selection, bring $3 to $4 per hundred, with a few fancies at $5. Carnations from outside, fair flowers but short stems, bring 50 to 75 cents per hundred. Asters are still plentiful, of good quality but lower in price; 50 cents per hundred is now asked for the best. Gladiolus go slowly at $2 per hundred spikes. Shoenbrun violets $2 per hundred bunches.

The fakirs are busy these days working their way among the crowds in the shopping districts; 5 to 10 cents per dozen for fair teas is their price with quite nice Beauties at six for a quarter.

While there is scarcely any movement in palms, ferns, and foliage plants for the house among the store men as yet, the Wanamaker plant department has started the ball rolling and appears to be handling quite a few; ferns and ferneries were their specialties the past week.

The chrysanthemums seem to be doing well with most all the growers there being very little disease apparent as yet. There will likely be enough around to supply all reasonable demands and leave a few over for the fakirs.

The September meeting of the Florists' Club was held last Tuesday evening, and was opened to a fair attendance It was the evening for the nomination of officers for the ensuing year and no little breeze was raised as one after another of those proposed declined. It seems that Mr. Burton, who declined a re-election, has made such an efficient officer that all were afraid to succeed him. He certainly has shown the boys how to run a meeting and given some of them such an insight into parliamentary law as they never had before. With the retiring president Secretary Farson also steps out, he insisting on being relieved of the cares of office. The responsibilities of a retail business are enough for any man, and Mr. Farson has only succumbed to the inevitable.

What was accomplished at the convention was the discussion for the evening, opened by Mr. Lonsdale. He thought the papers read were of a very high order, and especially spoke of the paper on the dethorning of the rose. The points thrown out by the essayist were new to him, and he thought that experiments with this end in view should be encouraged. He called on Mr. Craig to express his views. Mr. Craig said that on the whole the convention was a great success. The social part so ably managed by both the Providence and Newport clubs was the best he had ever experienced and reflected great credit on these gentlemen. He thought the convention should be an especially agreeable one to the Phila. clubs, as they had fared so well when the prizes were given out. He had no doubt that a large delegation would go to Omaha and endeavor to bring the Evans trophy to Phila. for good.

The exhibition of commercial plants was the finest he had ever seen at any like display. The exhibit of cocoa fibre was a surprise, as it had always been hard to get, but now was offered at a low rate within the reach of everybody. A new gun for insecticides he considered a very valuable thing. A practical Boston florist, Mr. Nicholson, would not sell his for $100 if he could not get another. By its use he could use lime dust from air slacked lime with such effectiveness as to cure rust on carnations. A pump for tobacco water exhibited he had tried and found it to be a great labor saver. He thought that florists generally did not give these industrial features the attention they should.

Mr. Lonsdale mentioned the seedling rhododendrons exhibited by Mr. McCarthy, of Swan Point Cemetery, and how successful he was with them; also the group of evergreens by the same gentleman. He also spoke of the fine displays of water lilies and the strides these flowers were making, and the tasteful arrangement of the exhibits in these departments.

John Westcott observed many things that took place in connection with the convention and he especially commented on the manner in which the delegates had been entertained from the time they set foot in New York until the convention and all its functions was over. He proposed a vote of thanks to the Providence and Newport Florists' Clubs, also the New York Florists' Club, for the very handsome manner in which the Philadelphia florists had been entertained at their hands. This was passed with a will. Messrs. W. K. Harris, C. D. Ball, Jos. Heacock, D. D. L. Farson and others also took part in the discussion.

The subject for next meeting is "Is dollar wheat likely to help the florist this winter?" Our agricultural looking member, Mr. Wm. K. Harris, is to launch this financial puzzle. Politics are barred, but the Bard of Kingsessing is to be poetic if he so desires. K.

St. Louis.

TRADE CONTINUES TO SLOWLY IMPROVE.—GOOD SUPPLY OF FLOWERS —BUILDING. —BUSINESS CHANGE.—FIRE INSURANCE.—WEBER'S NEW STORE.—BOWLING.

Trade continues to improve though slowly. Some of our florists still complain that trade is quiet. Bright sunshiny days have brought out the blooms in good shape. Meteor, Pres. Carnot, Bride, Maid and Kaiserin are looking fine. Meteor and Carnot a little scarce, others plentiful, including Perle. Price on first-class stock is $3 some extra fine ones $4, seconds $1 to $2. Only a few good Beauties are to be had. The extra quality are very scarce, price $10 and $15 for the best, and for short stems $3 and $5.

Most of the growers have all their carnations housed and they report that all the new varieties are doing splendid and have made good growth. Carnations are improving some and are not so scarce as they were last week. Price for the best is $1 per 100 and some are sold at 50 and 75 cents per 100. Tuberose stalks are very plentiful and are selling at $2 and $4 per 100. Gladioli have been in very little demand and are very plentiful at $2. Asters are not such a glut as they were last week, still a great many are coming in and are sold at 50 cents and $1 per hundred. Smilax is looking better and some good strings can be seen at the commission houses at $10 and $12 50.

J. F. Amman, of Edwardsville, Ill., is building a new rose house 125x20. Mr. Amman sends some fine roses and carnations to this market in season.

Martin Moran, late with Luther Armstrong, has rented the establishment of Wm. Kalish, 4508 Delmar avenue. His place will be known as the West End Floral establishment.

The fire insurance circulars to florists of America have made their appearance among the florists of this city and a great many of them report that they will support the association.

Our visitor last week was Arnold Ringier, with W. W. Barnard & Co., Chicago. Arnold reports business good in his line.

A visit was made to Mr. Fred. Weber's new store last week, and after looking it all over I found it to be the handsomest floral establishment in St. Louis, if not in this country. A fine conservatory on the west side of the store is filled with palms and all kinds of decorative plants and the small one in the rear of the store will be used for blooming plants. The entire store is all inlaid with white glazed tiling, the counters and show window of the same. There is a large ice box and a fine vault in the cellar for cut flowers and floral designs.

The talk among the florists now-a-days is "Have you seen Weber's new store yet?" Take it as a whole Fred Weber

has what you would term an ideal place to buy flowers.

The members of the bowling club had a good time on Monday night. Everybody was on hand except Dr. Helwig, who had to stay at home and look after the new bowler that came to his house last week. Arnold Ringier, of Chicago, was on hand to bowl with the boys. Arnold rolled 518 in three games and made a single high score of 243, and he claims that this is the highest single game he ever rolled. Among the club members in the other games C. Beyer was high man with 608, Weber second with 582, and Kuehn third, 528. Beyer was also high on single score, 237; Weber second, 220; and Kunz third, 215. Every member should be on hand Monday night as we are going to celebrate with Doc. Helwig on his new bowler. Congratulations are now in order. J. J. B.

Chicago.

HOT WEATHER DEMORALIZES MARKET — SUPPLY ABUNDANT.—PRICES LOW.—CLUB OUTING TO DAY.—VARIOUS LOCAL ITEMS.

Continued hot and dry weather for the past few days has had a demoralizing effect on the market. There are roses in abundance, more remain in the ice box than are disposed of at even the low prices at which they are quoted. From $1 to $3 is the quotation, but a great deal of fair stock is disposed of at considerably less than the former figure, while very few roses indeed bring as high as $3, with the possible exception of very choice Kaiserins and Carnots. The latter seems to be meeting with considerable favor in this market.

Carnations have taken a decided drop and it is practically impossible to quote a price on them. The best sell at from 40 to 75 cents, though many are sold for much less.

The Florists' Club's excursion to Vaughan's greenhouses at Western Springs takes place this Saturday afternoon (11th). Train leaves Union Station at 1:30 p. m. Returning the train leaves Western Springs at 5:04, reaching Chicago at 5:40 p. m. This will probably be the last outing of the season and a large attendance is expected.

Kennicott Bros. Co. are receiving some fine gladioli from the Cushman Gladiolus Co., Euclid, O. Mr. Cushman's variety "May," a beautiful light pink, sells most readily and is certainly an excellent flower. Mr. F. Kennicott has been laid up with rheumatism, but is again able to attend to business. Mr. G. H. Pieser will leave the city for a two weeks' vacation next Monday.

Mr. O. P. Bassett has returned from a week's stay at Delavan Lake.

A party giving the name Chris. or Geo. Nelson has been using the name of Supt. Jensen, of Humboldt Park, in introducing himself to various florists, and after his visit various articles, such as watches and bicycles, have been missed. Mr. Jensen has received many complaints and is naturally much annoyed at the use of his name by the party, who is about 5 feet, 10 inches tall, has red hair and dresses well.

The Illinois Cut Flower Co. are receiving some extra fine asters from W. N. Rudd, which sell readily, none in fact remaining unsold.

Hydrangea paniculata was seen in good form at several of the dealers. This finds a fair sale at $6.

Mrs. E. Huntington, of Bassett & Washburn's has changed her name to Mrs. W. Horton. Congratulations are now in order.

San Francisco.

TRADE A LITTLE BETTER —PLENTY OF FLOWERS —ROSES FROM NEW PLANTINGS COMING IN —NEW ASTERS —THE FIRST CHRYSANTHEMUMS —STATE FLORAL SOCIETY DECIDES TO HOLD ANNUAL CHRYSANTHEMUM SHOW.—VARIOUS ITEMS.

Trade has been a little better than usual during the past week and flowers of all kinds have sold fairly well. Roses of the new plantings are beginning to come in and as a general rule the quality is very good. Of course they are not bringing good prices as yet. Beauties are fairly good but the demand is rather slim at present for them.

Asters are beginning to give out with most of the growers and the quality is not very good. Several new shades of Semple's asters have made their appearance this summer and sold very well particularly a new purple which is very popular. Several new shades of red were also brought into the market in limited quantity and proved good sellers on account of the large size of the bloom and the length of the stems. In carnations we have an abundance and large quantities are disposed of daily at rather poor prices. M. Lynch was the first grower in the market with chrysanthemums. He is bringing in some very fine Whilldins and Mme. Cassogneau. From present indications the chrysanthemums are going to be much earlier this season than heretofore on account of the dry spring and summer.

We also note some Marie Louise violets making their appearance in very limited lots. As yet the flowers are rather small. Liliums rubrum and album have been much sought after during the past few weeks and large quantities have been used. As there is such a large quantity coming in daily they are not bringing much. Sweet peas are yet to be seen and somehow have improved much in color during the past few weeks. The supply is small and prices the same.

Mr. Chas. Mitton has left the nurseries at Menlo Park and is now engaged in business in this city.

Mr. E. Magnus has opened a flower store at 814 Larkin street between O'Farrell and Geary streets.

The California State Floral Society has decided to hold a chrysanthemum show this fall but as yet have not decided as to where it will be held. The show this year will be free to all and no admittance fee will be charged. The show will probably last one day only and certificates of merit will be given to the successful exhibitors instead of cash prizes as formerly.

The Redwood City Floral Society have not yet decided the date on which their fall show is to be given but will do so at their next meeting.

A movement is on foot to have another floral carnival in San Jose, similar to the one held in the spring of 1896. It is to be hoped that they will succeed in maturing their plans for the same as the one held there in 1896 was a very successful affair.

METEOR.

Pittsburg.

BUSINESS STILL IMPROVES.—BRIGHT OUTLOOK.—A HANDSOME PIECE OF FUNERAL WORK.—VARIOUS ITEMS.

The slight improvement in business noted last week is more pronounced this week, and with the prospect very bright for the settlement of labor troubles, especially the coal miners' strike this week, and consequent resumption of manufactories affected by it, there is a feeling that a revival of business is certain this fall and winter. Prices remain at a low figure and there are plenty of good flowers on the market.

Mr. Gus Ludwig reports business fair. He had one piece of funeral work this week that necessitated some hustling on his part to get enough asters, one color only being used, to fill the order in proper time. It consisted of a curtain or lining for the grave, made of dark purple asters with a border of ivy leaves. It covered the entire inside of the grave and was very handsome.

Mr. M. I. O'Brien's (Sharon, Pa.,) daughter was married the early part of this week.

Mr. Bunyand, representing Pitcher & Manda, was a visitor this week.

The Florists' Club will hold a meeting on the evening of the 9th. A very interesting time is expected with a full account of their trip to Providence.

Wm. Loew has returned from the convention well satisfied with it and will in all probability be on hand at Omaha next year. REGIA.

Heating.

How shall I pipe my greenhouse, 14x44, carrying the hot water from a boiler in the basement of a cottage 20 feet away? The ridge is 9 feet from the ground. I wish to put the heating pipes under the side benches only, using 1½ or 2-inch wrought iron pipe. What size of pipe should I use to carry the water (under ground) from boiler to greenhouse? How many pipes should I have under each bench? What size? What size of pipe to carry water back to boiler? Lowest temperature to be 50° in a Chicago winter.

H. F. R.

For the flow and return pipes running from the cottage to the greenhouse (20 feet) he certainly should use not less than 4-inch pipes, inside measure. These should be enclosed in a hollow chamber of some kind. The cheapest way to make it would be with 2-inch plank made in the form of a long box about 10 inches deep and 14 inches wide, inside measure. Nail the two sides and bottom securely, fit it in the trench prepared for it, then lay the pipes in it with a good fall to the boiler, make the joints absolutely tight, then nail the cover on the box securely. Cover the same with tar paper tacked down close to the wood, next give the whole a good coat of hot tar, sprinkle some dry sand on it as fast as the tar is put on, and when the whole is quite cool and hard cover with earth, pack firmly, and you will have a dry chamber that will last for years if not disturbed.

Where the main flow and returns enter the greenhouse branches must be provided for smaller pipes to be connected. For his house (14 feet wide and 9 feet to ridge) he would require eight 2-inch pipes, which can be made in two flows and two returns for each side, or they can be carried all round the house, starting on the coldest side and returning on the other side. This practically makes all the pipes flows till they reach the return to the main above mentioned. If 1½-inch pipe are preferred then would advise using twelve of these, arranged either way as suggested, but if they are to be made to act as flow pipes all round the house then I would advise that they be given a gradual rise all the way round to where they are to be connected again with the one large main return, and at this point there should be some provision made for expansion of the water such as a small iron tank or something similar. This, of

course is best left open at top to allow for air to escape.

If it is decided to make flows and returns on each side of the house the pipes should go around the corner at the farthest end from boiler to as near the door as practicable and each set of pipes should be furnished here with an expansion tank of some kind.

JOHN N. MAY.

BROOKLYN, N. Y.—Mr. A. L. Miller, who for many years has been a valuable assistant in the nurseries and conservatories of his father, Mr. Henry Miller, has succeded that gentleman in the business, the elder Mr. Miller retiring to enjoy the competency he has acquired through years of industry and economy.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—In private place by man experienced in all branches. Good references. Address J. R. care American Florist.

SITUATION WANTED—By first-class all round man in commercial place; 25 years' experience. Address SCOTTY, care American Florist.

SITUATION WANTED—As assistant in commercial greenhouses in middle western states. Correspondence solicited. References and particulars given. Address A E, care American Florist.

SITUATION WANTED—By a practical florist that understands his business; growing fine cut flowers and plants; 17 years' experience. References. Address FLORAL, care American Florist.

SITUATION WANTED—As working for man, by married man, age 29; has a th rough knowledge of all branches. Roses, 'mums, bulbs and palms a specialty. References exchanged. Illinois or west preferred. Address W, care American Florist, Chicago.

SITUATION WANTED—German florist, single, 12 years' experience in roses, carnations, 'mums and general greenhouse stock. First-class grower of winter flowering plants, ericas, cyclamens, etc Honest, sober; not afraid of work. Address E D, 100 College Point, L. I., N. Y.

SITUATION WANTED—In a commercial or private place, as grower of general stock; single, age 34; life exp-rience as florist, fruit and truck farming. Also well up in care of cows and poultry. Sober, honest and industrious. Reference No. 1. State wages with or without board. Address FLORIST, 17 Wood St., Atlanta, Ga.

WANTED—A hot water heater, to run 800 to 1000 feet of pipe. Must be in good condition and cheap Address Box 85, Belmont, Mass.

WANTED—A young man, married or single; good worker, and good all round grower of general stock. Address A. FAHUD, Indianapolis, Ind.

WANTED—A young, single man, industrious, sober, careful worker as assistant, with best chance for advancement and interest in growing business. Address LINDSAY, Birmingham, Ala.

WANTED—Young man of experience to take charge of house 20x50 feet, and outside stuff, on shares. Additional glass will be added as needed Sale for all stock raised. 205 Elwood Ave, Newark, N. J.

WANTED—Competent married man, to grow plants for retail cut flower trade. Must be capable rose grower. Good man can acquire an interest in business if wanted. PERMANENT care American Florist.

WANTED—Working foreman, one who is capable of growing good cut flowers and plants on a commercial place. Give references, age, etc Wages $80 a month. J. A. PETERSON, 105 E. 4th St., Cincinnati, O.

WANTED—A first-class all round florist to take charge and grow roses, carnations, 'mums, violets and a general line of bedding plants Good on designs. Address with references, wages, etc J B, care American Florist, Chicago.

WANTED—Young man who has had up-to-date experience in decorating and catering to first-class trade. Only need apply. A good chance for the right man to forge his way ahead. GASSER'S, Euclid Ave., Cleveland, O.

WANTED—A first-class light fireman, one who is thoroughly acquainted with greenhouse work; abstainer, married man, no family, wife to board hands; 3 rooms found. Permanent position and good wages to right party. Address ANCHORAGE ROSE CO., Anchorage, Ky.

WANTED—A young and active man fully up to the times in capabilities and ideas, to take full charge of a gentleman's country place near Chicago where two or three men will be under him. A full knowledge of vegetable garden management and ornamental planting required. Address A H P, care American Florist.

FOR SALE—Bamboo fixtures, ice box, counter, shelving and desk, at CHAS. W. MCKELLAR'S, 45 to 49 Wabash Ave., Chicago.

FOR SALE—Greenhouses, 2400 ft of glass, hotbed sashes, inexhaustible well, windmill, tank, horse, wagon, tools, etc.; water heating; no competition; town of 600; best county in Missouri $1000 cash, balance on time. S T, care American Florist, Chicago.

FOR SALE—In Warren, R. I., 5 greenhouses, nice 6-room cottage, barn, sheds, shops, etc.; about 10 acres of good land; young orchard, shade trees and grapevines. Greenhouses and cottage heated with hot water. Windmill supplies water over the premises. Can be bought on easy terms Apply to O. H. NYE, Warren, R. I.

FOR RENT—Excellent opportunity, 10,000 ft. of glass in live city in western New York; trade good; established 25 years; rent low; houses in good repair; hot water heat; fuel cheap. Permanent, practical tenant wanted at once to arrange for fall business. Address GREENHOUSES, care Postmaster, Hornellsville, N. Y.

FOR SALE.

LESTER PARK GREENHOUSES, DULUTH, MINN.

Good modern dwelling, 3000 ft of glass, on car line, in best residence portion, growing city, population 60 000, adjoining city 30 000, only one other grower, less than 10 000 ft. of glass in both cities. Price low and terms very easy if taken at once. The plant ought to be doubled, but owner is not a florist.

BOILERS FOR SALE

Two No. 3, Style C, GURNEY HOT WATER DOUBLE CROWN BOILERS, complete. In use five seasons. Were heating 30,000 square feet of glass for palm growing. Offering for sale because we are increasing our capacity. These boilers cost $450 00 each. We offer for $200.00 each, f. o. b., Riverton, N. J.

HENRY A. DREER, 714 Chestnut Street, Phila., Pa.

	Per 100
SMILAX—Strong 1 year	$1.50 and $2.50
CLEMATIS—Leading kinds for fall	
PÆONIAS—Herbaceous, choice asst	8.00
NARCISSUS—Double and single Poets	.75
RED JACKET COOSEBERRIES—Very low prices.	
DOWNING COOSEBERRIES—1 and 2 year.	
DAISIES—Snowflake and Snowdrift	2.00
H. P. ROSES—In assortment	10.00

F. A. BALLER, Bloomington, Ill.

PRIMROSES. Per 100

7000 Primroses, single mixed, ready for 3-inch pots $2.50
1200 Chrysanthemums, 20 vars., 3-inch pots.. 8.00
1000 Cinerarias, ready Oct. 1st 2.00
500 Carnations, field-grown 5.00
Pansy plants per 1000 $3.50, .60
Pansy seed ½ oz. $2.00, oz. $3.50.

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, O.

FIRST COME, FIRST SERVED.

Why pay express charges on Roses out of 3-inch when you can buy as good out of 2½-inch. We have them 16 to 18 inches high, field plants, and only $2.00 per 100. BRIDES, PERLES and MAIDS

Also strong CARNATIONS out of field, at $3 00 and $4.00 per 100. Scott, McGowan and Pierson.

SOUTH SIDE FLORAL CO., Springfield, Ill.

HORSE CHESTNUT TREES.

Having a surplus stock of white-flowering Horse Chestnut trees, nursery grown and twice transplanted, we offer the same at the following very low rates:

	Per 10	Per 100	Per 1000
5 to 6 feet, branched	$2.00	$10.00	
4 to 5 feet, some branched	1 60	12.00	$100 00
3 to 4 feet	1.00	8.00	70.00

50 at 100 rates. Address all orders to

LEE & SKINNER, Geneva, Ohio.

20,000 Washingtonia Filifera.

2½-inch stock, extra fine plants, $3 00 per 100; $25 00 per 1000.

J. B. HEISS,

116 S. Main Street. DAYTON, OHIO.

	Per Doz.
SMILAX, strong, 3-inch	$ 35
CYCLAMEN, strong, 3-inch	1.00
PRIMULAS, strong, 3 inch	.60

Cash with order, or exchange for small Palms.

W. P. RANSON, Junction City, Kan.

STOCKY, FIELD-GROWN CARNATIONS.

New and standard vars., $5.00 per 100 and upward.

GEO. HANCOCK & SON, Grand Haven, Mich

CYCLAMEN GIGANTEUM.

3-inch pots .$ .75 per doz.; $ 6.00 per 100
3½-inch pots 1 25 per doz.; 10.00 per 100
5-inch pots 2.25 per doz.; 20.00 per 100

Cash with the order please.

JNO. E. DE WALT, Box 82, Carlisle, Pa.

NEW CROP SEED NOW READY

OF

Zirngiebel's Standard Pansies.

Silver Medal in Boston, and First Prizes everywhere.

"HUGE JEWELS OF VELVET AND GOLD."
—*Boston Transcript.*

GIANT MARKET and GIANT FANCY Strains, in Trade Packets at One Dollar each.

DENYS ZIRNGIEBEL, Needham, Mass.

PANSIES.

The JENNINGS STRAIN of finest American grown Pansy seed. New crop now ready. Grown from finest selected stock only. All large flowering in great variety, of most beautiful colors.

The following complimentary letter is one out of hundreds received:

BUFFALO, N. Y., June 8th, 1897.

MR. E. B. JENNINGS Dear Sir:—The Pansy Seed supplied by you last August produced the finest lot of flowers I have ever seen. They were uniformly first-class. Send me one ounce of your best mixed as soon as ready. Respectfully, WM. SCOTT.

Finest mixed, per pkt of 2500 seeds, $1.00; ½ oz. $3.00; 1 oz $6 00; 3 ozs. $15.00. Pansy plants now ready, $4.00 per 1000 by express; 75 cts. per 100 by mail.

Cash with order. E. B. JENNINGS,
Lock Box 254. Southport, Conn.
Grower of the finest Pansies.

Our Beautiful Pansies

are the result of fine novelties added yearly. We grow them by the 100,000; $5.00 per 1000; 75c per 100. Larger lots, write for prices. Seed 1-16 oz 30c; ¼ oz. $4 50.

Ceraniums, Coleus, Begonies, Petunias and Verbenas are Specialties embracing best late varieties. Rooted Cuttings by Nov.

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PANSY SEED.

133 First Prizes, the highest awards World's Fair, and Hamburg, 1897.
1000 Seeds, finest mixed, 25c.
1 oz. " $3.75

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ROEMER'S SUPERB PRIZE PANSIES.

PLANTS, strong and bushy, 45 cts. per 100 by mail.
By express $2 00 per 500.
By express $4.00 per 1000.
Cash with order.

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Pansies Worth Raising.

STRONG PLANTS, ready now, $4.00 per 1000, f. o. b. express here.

SEED, as usual.

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900,000 Pansy Plants

Mitting's Giant Flowering transplanted plants, $1.00 per 100; $3 00 per 1000, by express only From seed-bed 75 cts. per 100 $3 00 per 1000, by mail prepaid. When plants are ordered by express we add enough plants to pay expressage. They are up-to-date both in colors and size of bloom.

Seed from above strain 50 cts. per trade pkt.; $4.00 per ounce; $40.00 per pound.

Morris Floral Co., Inc, Morris, Ill.

Field-Grown

CARNATIONS AND VIOLETS.

300 McGowan, 500 Rose Queen, 50 Emily Pierson Carnations; 500 California, 350 Marie Louise, 350 Lady Campbell violets. Any of above at $4 00 per 100.

500 Smilax, 2-in pots at $1.50 per 100
300 Primula Obconica, 3-in. pots, at $2.50 per 100
Cash with order please.

M. J. PIERCE, Adrian, Mich.

SURPLUS STOCK. Per 100

1000 CARNATIONS, McGowan $4.00
200 VIOLETS, Lady Campbell, clumps 4.00
100 BRIDES; 90 MAIDS; 90 PERLES, 4-inch, the lot for $10.00.

What have you to exchange? Can use ferns, small palms, Rex begonias, Swainsona, double alysaum, etc.

W. A. REIMAN, Vincennes, Ind.

40 GOOD WELL-GROWN PALMS FOR $5.00.

Clean, perfect leaves and good color.

6 3-inch Areca lutescens.
6 3-inch Kentias.
6 5-inch Corypha australis.
6 5-inch Seaforthia elegans.
2 6-inch Sago Palms, long leaves.
14 3-inch Latania borbonica, showing character leaves.

Well packed to go by Freight or Express.

Extra fine 3-inch LATANIA BORBONICA, ready to shift into 5-in., $12 per 100.

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CINCINNATI, O.

CYPERUS ALTERNIFOLIUS.

2½ inch pots . . . . . 40 cts per doz.; $2.50 per 100

GREVILLEA ROBUSTA.

2½ inch pots . . . . 40 cts. per doz ; $2 50 per 100

ASPARAGUS TENUISSIMUS.

3 inch pots . . . . . 50 cts. per doz.; $3.50 per 100

CALIFORNIA VIOLETS.

Field grown . . . . . $4.00 per 100

CARNATIONS.

Mapleda'e (new). . . . . $8.00 per 100

Medium sized plants of the following standard varieties, $4.00 per 100: Portia Wm. Scott, Della Fox, The Stuart, and Tidal Wave.

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MARIE LOUISE,
Healthy stock. Good plants—never had better.

FIELD-GROWN CARNATIONS.

STANDARD VARIETIES. No disease.

400 extra good 2½-in. **SMILAX PLANTS.**

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Fern Pteris Tremula

NOW READY.

In excellent condition, from 2¼-inch pots, 10 to 12 inches high, ready to shift to 4s, $3.50 per 100; $30.00 per 1000.

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California, Luxonne, Princess of Wales, Marie Louise, Campbell; fine field-grown plants, $5 00 per 100,

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We are the largest growers of Cinerarias in the country. We have now, ready for shipment over 100,000 plants, grown from seed that has no superior. Our strain is noted for their extreme brilliancy and largeness of flower. We are appealing now to those who have never bought of us, as our old customers are too wise to take chances with a cheaper grade of stock. Large, fine plants, 2¼-inch, $2.50 per 100; $20.00 per 1000. WHITTON & SONS, Wholesale Florists, City and Green Sts., UTICA, N. Y.

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Farquhar . . . . . Per 100 . . . . $5—$6
L. H. Campbell, California. . $4—$5

Discount of ten per cent. on large orders.

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	Per doz.	Per 100
3-in. pots, 8-9 inches high	$2.00	$15.00
4-in. pots, 12-15 inches high	3.00	25.00
5-in. pots, 20-24 inches high	6.00	50.00

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3-inch pots	$3.00	$25.00
4-inch pots, single stem	5 00	40.00
4-inch pots, bushy, 3 plants in a pot	5.00	40.00

KENTIA BELMOREANA.

2-in. pots		$12.00
3-in. pots, 8-12 in. high, 4-5 leaves	3.50	25.00
4-in. pots, 12-15 in. high, 4-6 leaves	4.50	35.00
5-in. pots, 18-20 in. high, 6-7 leaves, stocky	9.00	75.00

Large specimen plants, prices on application.

KENTIA FORSTERIANA.

2-in. pots	$10.00
3-inch pots, 12-15 inches high	15.00
4-inch pots, 15-18 inches high	4.50 35.00

LATANIA BORBONICA.

3-inch pots	$10.00
4-inch pots, 12-15 inches high	3.00 25.00
6-in. pots, 18-20 in. high, stocky	9.00 75.00

PHŒNIX RECLINATA.

	Per doz.	Per 100
4-inch pots, 12-15 inches high	$3.00	$25 00
5-inch pots, 15-18 inches high	6.00	45.00

ARECA LUTESCENS.

5-in. pots, 20-24 inches high, 3 plants in a pot $6.00 $50.00

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2-inch pots. $15.00

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4-inch pots, 10-12 inches high, 7 leaves $4.50 $35.00

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6-in. pots, 12-15 inches high, 7-8 leaves, strong $1.50 each, $18.00 per dozen.

ALSOPHILA AUSTRALIS.

3-inch pots. . . . $1.50 per dozen; $10.00 per 100.

ADIANTUM CUNEATUM.

	Per 100	Per 1000
3-inch pots	$7.00	$65.00

ASPIDIUM TENSIMENSE.

3-inch pots. $8.00 $75.00

ASSORTED FERNS.

2-inch pots. $4 00 $35 00

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JOHN N. MAY, Receiver. SHORT HILLS, NEW JERSEY.

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10,000 FIRST QUALITY FORCING ROSES.

Fully equal to those sent out the last four years, first-class in every respect. Only selected growth from flowering shoots used in propagating.

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AM. BEAUTY,	*SAFRANO,	PERLE,	*GONTIER,
	BRIDE,	*MERMET.	

3-inch pots, $5.00 per 100. *4-inch pots, $8.00 per 100.

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We make a Specialty of small Ferns for the Fall trade.
Write for special prices on large quantities. Order early.

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Keap Street Greenhouses, BROOKLYN, N. Y.

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Roses, Palms,
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THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

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The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

BRIDE ROSES. strong plants, 3-inch pots, $5 per 100. 2½-inch pots, $2.50 per 100. Will take 400 Kaiserin A. Victoria in exchange for 400 Brides.

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PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Fine Plants

MAIDS,	3 1-2 inch,	$4.00 per 100,
"	3 inch,	3.00 "
METEOR,	3 inch,	2.50 "

Worth double these prices.

5000 CARNATIONS, very cheap.

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LINCOLN, ILL.

ROSES. ROSES.

Good, strong plants from 2½-inch pots.

	Per 100
BRIDES and BRIDESMAIDS, -	$2.00
PERLES and METEORS, - -	$3.00

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THE FLORISTS' FERTILIZER.

Made by steam process from pure night-soil (liquid and solid matter), not adulterated with absorbents. Fully matured, and combines all the necessary elements for the fertilization of the soil and nutriment of plants. Quick in action. Ground fine and pleasant to handle.

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Largest, Coolest and Best Market in Chicago.

Constant supply of all SEASONABLE FLOWERS. Full line of FLORISTS' SUPPLIES, WIRE WORK, Etc. Consignments of First Grade Stock solicited.

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Agent for finest grades Waxed and Tissue Papers

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COMMISSION FLORIST,
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Prompt attention to shipping orders.

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TO THINK
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17 PALMS, 3 to 4-in., of best vars., and 2 FERNS for $3.00. Per 100
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4-inch $8 per 100. Clumps from bench.....12.00
Plants, Labels, Moss, Mailing and Express Boxes. Florists' and Nurserymen's Supplies.
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Roses, Beauties, long	10.00@15 00
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" short	4.00@ 6 00
" Brides, Bridesmaid	1.00@ 3.00
" Meteors, La France	1.00@ 3 00
" Kaiserin	1.00@ 3 00
" Niphetos, Perle, Gontier	1.00@ 2 00
Carnations	40@ 75
Sweet peas	.10
Auratum	6.00@ 8.00
Valley	3.00@ 4.00
Gladiolus	2.00
Asters	.50@ 1.00
Adiantum	.50@ .75
Smilax	8.00@10 50
Asparagus	50.00
	ST. LOUIS, Sept. 9.
Roses, Beauties	10 00@15 00
" short	2.00@ 5 00
" Meteors, Kaiserin	3.00@ 4 00
" Brides, Maids	3.00@ 4.00
" Mermets La France	2.00@ 3 00
" Perles, Wootton	1.00@ 2.00
Carnations	1 00
Asters	.50@ 1.00
Tuberose stalks	2.00@ 4.00
Gladiolus	1.00@ 2.00
Smilax	10.00@12 50
Adiantum	1 00
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Immortelles and Moss Wreaths. Cycas and Calax Leaves. Fresh Cape Flowers.
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A complete line of Wire Designs.

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CONSIGNMENTS SOLICITED
Special attention given to shipping orders.
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COMMISSION FLORISTS,
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Special attention given to shipping orders.

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GALAX LEAVES,
For Decorating and all Florists' Designs.
CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.

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WHOLESALE
GROWERS OF CUT FLOWERS.
500,000 FEET OF GLASS.
We can fill all orders on short notice with all leading varieties of Roses and Carnations.
We ARE Headquarters for fine AMERICAN BEAUTIES
Give us a trial and convince yourself.
Salesroom, 51 Wabash Ave., CHICAGO.
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Consignments Solicited. **CUT FLOWERS.**
STANDING ORDERS, we will give special prices.
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Fine Stock a Specialty. CHICAGO.

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Block Letters, 1 1-2 or 2 inch size, per 100, $2.00
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Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.
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Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.
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GOOD INDUCEMENTS TO GROWERS OF FIRST-CLASS STOCK.

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ROSES, CARNATIONS, and ALL KINDS OF SEASONABLE FLOWERS IN STOCK.
WM. F. KASTING, Wholesale Commission Florist,
495 Washington Street,
BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire Designs.

12c. PER STRING SMILAX.
Strong bushy strings. Also fine SMILAX PLANTS from 2 and 3 inch pots, $1.50 per 100.
CEO. STAFFLINCER, Springville, N. Y.

Wholesale Markets.

Cut Flowers.

	NEW YORK Sept. 8	
Roses, Beauty, extra	10 00	25 00
" " medium	3.00@	8.00
" " culls	.50@	1.00
" Bride, Bridesmaid	.50@	4.00
" Morgan, Testout, Meteor	.50@	5 00
Carnations	40	1 00
Valley	2.00@	3.00
Asters, per 100 bunches	1.00@	2 00
Gladiolus		.50
Adiantum	.50@	.75
Smilax	6.00@	10.00
Asparagus	40.00@	50 00
	BOSTON Sept. 8.	
Roses, Beauties	6.00@	25 00
" Gontier, Perle	1.00@	2.00
" Bride, Bridesmaid, Meteor	2.00@	6 00
Carnations	.50@	1 00
Valley	2.00@	3.00
Asters	.25@	.50
Gladiolus	.50@	2 00
Tuberoses		.50
Pink pond lilies		1 00
Adiantum		1.00
Smilax	10.00@	12.00
Asparagus		50 00
	PHILADELPHIA. Sept. 8	
Roses, Beauties	6.00@	12.00
" Brides, Maids	2.00@	4.00
" Meteors, La France	2.00@	4.00
Carnations	.50@	.75
Valley	3.00@	4.00
Sweet peas	.25@	.50
Gladiolus		2.00
Tuberoses per 100 stalks	2.00@3.00	
Asters		.50
Smilax	12.00@	15 00
Adiantum	.75@	1.00
Asparagus	35 00@	50.00

GEORGE A. SUTHERLAND,
Cut Flowers AND Florists' Supplies
WHOLESALE.
67 Bromfield St., BOSTON, MASS.

Wholesale Florists ALWAYS ON HAND. CARNATIONS, BRIDESMAIDS, BRIDES. JOBBERS IN FLORIST'S SUPPLIES.
N. F. McCarthy & Co.
FLORISTS' VASES.
Horticultural Auctioneers.
84 HAWLEY STREET, - BOSTON.

CITY HALL FLOWER MARKET.
WELCH BROS., Props.,
15 PROVINCE ST., BOSTON, MASS.
Space assigned to growers wishing to consign goods regularly.
Space to rent to growers wishing to sell their own goods.

Asparagus Plumosus Nanus.
Strings 10 to 12 feet long,
50 CENTS.
W. H. ELLIOTT, Brighton, Mass.

ASPARAGUS PLUMOSUS
PLANTS.
3-inch.....$8.00 per hundred.
4-inch.....10 00 per hundred.
CASH WITH ORDER.
F. BURKI, Bellevue, Pa.

Smilax Plants
from 3-inch pots, $2.50 per 100; $20.00 per 1000.
It pays to buy strong plants.
JOSEPH E. BONSALL, Salem, Ohio.

John I. Raynor,
49 WEST 28th STREET,
NEW YORK.
SPECIAL EXTRA STOCK OF AM. BEAUTY, METEOR, BRIDESMAID, BRIDE.

Record Breaking Carnations
ALL THE YEAR ROUND.

American Beauty
and all other choice Roses in unexcelled quality.
Carnations, Mignonette, Orchids and Valley.
THOS. YOUNG, Jr.,
43 W. 28TH ST., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE
FLORIST,
39 West 28th Street, NEW YORK.
Roses shipped to all points. Price list on application.

Edward C. Horan,
34 W. 29th Street, NEW YORK,
WHOLESALE • FLORIST.
Careful Shipping to all parts of the country. Price list on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
Price list on application.

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CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange, NEW YORK.

JULIUS LANG,
Cut Flowers on Commission
53 WEST 30TH STREET,
.... NEW YORK.

John Conley & Son,
Manufacturers of
TIN FOIL
2 AND 4 DOMINICK STREET,
New York.

BOUGAINVILLEAS.
Beautiful for "cutting" or pot sale.
Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests
Send for "Comments and Facts."
THEO. F. BECKERT, Glenfield, Pa.
9 miles below Pittsburg, Pa.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Government Seed Distribution.

From the *Minneapolis Tribune* of Sept. 5.

The following paper on "The Government Seed Shop" was read before the Farmers' National Congress in St. Paul last week by J. E. Northrup, of this city. In it he attempts to show to what extent the system of free distribution of seeds has deteriorated.

Two hundred years ago a brig from the coast of Madagascar was driven by stress of weather into the harbor of Charleston, S. C. Her captain, while there formed the acquaintance of Landgrave Smith, and presented him with a bag of rice. This the landgrave caused to be planted in his garden in the city of Charleston.

"From this arose one of the great staple crops of the south, which soon amounted in value to millions of dollars. Stimulated, doubtless, by such example conscious of the splendid opportunities which the country at that time offered for such an enterprise, in its vast and unknown range of soil and climate, and inspired with a patriotic desire to promote the welfare of his countrymen, Henry L. Ellsworth, the first commissioner of patents, conceived the idea of distributing new and rare seeds among the farmers of the United States.

"This, he did at his own expense from 1836 to 1859, when he asked and secured from congress an appropriation of $1,000 for the purpose of "collecting and distributing rare and improved varieties of seeds and prosecuting agricultural investigations, and procuring agricultural statistics."

From this small beginning founded in patriotism, has arisen the government seed shop at Washington, the colossal humbug of the day. During the earlier years, the sums appropriated by congress for this purpose seem to have been wisely expended.

"The reports of the patent commissioners for succeeding years showed the importance that was attached to the procurement of seeds, that had proven of commercial value in other countries, and that were not known in the United States.

In distributing these seeds, great care was exercised that they should be placed only in the hands of experienced agriculturists, who would give them intelligent attention, and in due time report fully as to their merits or demerits.

WANTED RARE SEEDS.

The patent commissioner's report to congress showed in detail the varieties that had been purchased, the countries from which they were obtained, the points of excellence for which they were selected and the success or failure which attended their planting.

These reports teem with expressions showing the keen interest with which these experiments were regarded. Charles Mason, commissioner of patents in 1857, says in his report to congress for that year: "A prime object has been the introduction and naturalization of new and useful products, hitherto unknown in the United States. These have been placed in the hands of persons most likely to try the experiment fully and fairly. If, out of the whole number tried, a single one shall prove as eminently successful and useful as the potato or rice plant, the trouble and expense attendant upon all these experiments will be richly compensated. The advantage resulting from the acquisition of a new commodity is of more value to the country than the acquisition of a new province."

It was in this spirit that the authorities in charge, the public generally and congress itself then participated in this work. In 1862 the department of agriculture was established, and the first section of that act shows the importance with which this seed distribution was regarded.

Be it enacted by the Senate and House of Representatives of the United States, in congress assembled, that there be established at the seat of government of the United States, a department of agriculture, the general designs and duties of which shall be to acquire and diffuse among the people of the United States useful information on subjects connected with agriculture, in the most general and comprehensive sense of the word, and to procure, propagate and distribute among the people new and valuable seeds and plants.

It was not long, however, before abuses crept into the distribution of seeds, for in 1868 Horace Capron, in that year appointed commissioner of agriculture, in a special report to congress says:

"The seed establishment has practically grown into a sort of fungus of little value in itself, and which needs to be removed in order to give vitality to the system." Further in his report he says: "Seeds distributed under the law must be new and valuable; new, in the sense that they must be of a kind that has not been in use in the district to which they are sent; valuable, in that they possess some important quality above those of similar variety in ordinary use. In fact, some peculiar property which renders them worthy of being a gift from the nation to a neighborhood."

Following this high conception of the act which brought his department into being, Commissioner Capron, in 1869, distributed something less than one-third the number of packets of seed that had been sent out the previous year by his predecessor in office, this distribution consisting chiefly of varieties and plants not then cultivated in this country. It included seeds of cereals, grasses, hemp, jute, ramie, opium poppy, sugar beet, sorghum, forest and shade trees and many of the rarer varieties of plants, edible, medicinal and fibrous. But this standard was not long maintained. Through the carelessness, incompetence or venality of officials in charge the department soon became the dumping ground for the commonest sorts. Congressmen found that a packet of seeds sent under a "frank" was a cheap and easy way to tickle the vanity of a rural constituent, and it mattered not much whether he was a farmer or a sailor.

Efforts have been made from time to time by various administrations to stem this tide of paternalism, and to divert the flood into its original channel, but it has become an uncontrollable current.

In his report for 1878 Gen. Le Duc, on assuming the duties of commissioner of agriculture, said:

"I found that the distribution of seeds had grown into an evil of serious magnitude, in that it included the commonest kinds in use, and which could be bought in almost any seed store, not to say corner grocery.

REPORTS NOT AVAILABLE.

In urging that all distribution of seeds be made direct by the department and not by the congressmen, he said: "That of the thousands and thousands of dollars worth of seed that have passed through the hands of members of congress, it is safe to say that not a dozen reports have ever been made that have been available by the department as data."

Notwithstanding the strong language of this report, congress in the following year passed an act that: "Three-fourths of all the seeds, plants and cuttings purchased by the department should be supplied to senators, representatives and delegates in congress, for distribution among their constituents."

The effects of this decree were that farmers in North Dakota received their full quota of cotton seed, while those in Alabama and Texas found spring wheat in their prize packages.

This unique and statesmanlike method of distribution had but one redeeming feature, however, for under it many farmers had an opportunity of inspecting seeds they had never seen before, while in previous distribution they had been presentd with varieties with which they had been intimately familiar since their boyhood days upon the farm.

Secretary Morton, in his report for 1894, states: "The extravagance and inutility of these distributions are apparent to any person who will investigate the results of the expenditures.

"That the distribution is regarded with little interest is evidenced by the fact that out of nine million papers of seeds distributed among one million, eight hundred thousand citizens of the United States only nine hundred and forty acknowledged their receipt."

Several vigorous efforts have been made to put a stop to this wasteful and demoralizing use of the public funds which has already consumed nearly three and one-half millions of dollars. The character of the present secretary of agriculture is a sufficient guarantee that he will exert his full influence toward confining the distribution within proper lines, but the head of the department is practically powerless in the matter, for under the present act it is mandatory upon him to purchase the greatest quantity of seeds possible to obtain for the sum appropriated, and to set aside three-fourths of the packets for the use of senators and congressmen.

It is really doubtful if congressmen themselves want these seeds. They are to them a source of endless annoyance, trivial correspondence and petty jealousies, but if they have any seeds at all they must have a good many, for if a member of congress sends seeds to John Doe and fails to send any to Richard Roe he has made an enemy of Richard. In fact, to keep peace in his bailiwick he must send a collection of seeds to each voter of his own political faith in the district.

The question then is, by what means shall this "Old man of the sea" be thrown from our shoulders, and the answer is, by the farmers of America, the only force which can accomplish it. Believing that this body of representative farmers, convened here from all parts of the United States, will rise as one man in the effort to crush this monstrous evil, I have prepared the following resolutions, which I now beg leave to offer for your consideration:

OFFERED RESOLUTIONS

Whereas, Believing the free distribution of seeds, as at present conducted by the United States department of agriculture, is an unlawful and unwarranted departure from the terms of the act under which that department was created, and

Whereas, The distribution of common varieties can in no wise advance the cause of agriculture, and

Whereas, The useful and beneficent purpose for which the early appropriations for the governmental purchase and distribution of seeds is lost sight of in practice, and

Whereas, The necessities of these appropriations no longer exist, as the work is being carried

on by the experiment stations of the various states who are best acquainted with the needs and resources of their respective localities. and

Whereas, The farmers of America are not mendicants, their favor is not to be gained, nor their votes to be influenced by a package of seeds and

Whereas, It is an insult to their intelligence and unjustifiable perversion of the law, a gross misuse of public funds, and a base prostitution of a noble department, which was created to elevate and instruct, not to pauperize and degrade, and

Whereas, It is an unjust discrimination against many merchants throughout the country, engaged in the selling of seeds, who cannot compete against a "Gift Enterprise" carried on by the United States government, and who, at the present time, are being taxed to pay for the knife which is cutting their throats, and

Therefore be it Resolved, by the Farmers' National Congress of America, in convention assembled, That we earnestly request the President of the United States, our senators, representatives and delegates in congress, the press of America, and our fellow citizens all over the land, to unite with us, in an effort to suppress and extinguish this great and growing evil.

Second, to this laudable end we pledge our joint and individual efforts.

Third, that the secretary of this congress be directed to forward a copy of these resolutions to the President of the United States, to each senator, representative and delegate in congress and to procure for it as wide a publication as possible in the press.

SUNFLOWER seed is likely to be one of the scarce items this year.

IT IS REPORTED that the Cook bill, regulating sale of seeds, has become a law in Maine.

VISITED CHICAGO.—F. T. Emerson, W. B. Hayt, S Y. Haines, Howard Earle, S. B. Dicks, R. H. Shumway, H. M. Claire.

AMONG THE scarce peas this season are Pride of the Market, Admiral, Duke of Albany and possibly Telephone.

ENGLISH HOUSES report turnip seed at three-fifths of a crop; rutabaga, beet, mangel, carrot, parsley and parsnip full crops with some surplus.

IN THE FINAL REPORT of the Alfred J. Brown Seed Co. of Grand Rapids, Mich., it appears that the property of that company has been sold at a chattel mortgage sale, the proceeds of which have been used to pay in part certain mortgage debts owing by that company and no balance was left to pay the general creditors anything.

HARRISBURG, PA.—The firm of Holmes & MacKubbin, seedsmen, has dissolved partnership, Mr. Harry L. Holmes, senior member of the concern, having purchased the business. He will conduct it at the old place. Mr. Charles H. MacKubbin has returned to Philadelphia.

California Sweet Pea Seed.

Fall delivery. All standard sorts, introductions of 1896, and Novelties for 1897. (Order soon crop is short). **CALIFORNIA GROWN:** Aster, Balsam, Carnation Marguerite, Centaurea, Cosmos, Dianthus, Freesia, Hollyhock, Lobelia, Mignonette, Nasturtium, Petunia, Smilax, Stocks and Verbena Seed in all **BEST** known sorts. Clean reliable, well selected seed from Best growers. Pkt., oz. or lb. **H. H. BERGER & CO., 220 Broadway, N. Y.**



Send your address for my illustrated catalogue of these superb flowers.
M. B. FAXON, Boston, Mass.

Bulbs

Of any kind quoted f. o. b. at lowest rates, by

HULSEBOSCH BROS., Englewood, N. J.

1840. Old Colony Nurseries. 1897.

SPECIAL OFFER OF OVER STOCK.

	Per 100
Beech, European, 5 to 6 ft.	$25 00
" " 4 to 5 ft.	15 00
" purple-leaved seedlings, 4 to 5 ft.	15 00
Berberis purpurea, 18 to 24 in.	2 00
" vulgaris, 18 to 24 in.	2 00
" Thunbergii, 12 to 18 in.	6 00
" " 6 to 10 in., 1 yr.	2 00
Elm, Ulmus Americanus, 8 to 9 ft.	15 00
Forsythia suspensa, 3 ft.	5 00
Pyrus Japonica, 3 to 4 ft, mixed.	6 00
Privet, California, 18 to 24 in., trans.	2 00
Sym horicarpus vulgaris, 15 to 18 in.	3 00
Viburnum opulus (tree cranberry), 3 to 4 ft.	6 00

	Per 100
Asclepias tuberosa	$ 2 00
Hemerocallis flava, fulva, Dumortieri.	3 00
Iris, German, 10 sorts	4 00
" Japan, 10 sorts	4 00
Liatris scariosa	5 00
Lily of Valley, sod 3 inches square (not for forcing)	3 00
Pæonies, mixed ..... per 1000 $40,	6 00
Platycodon	5 00
Sabbatia chlorides	5 00
Yucca filamentosa, strong	8 00
Ampelopsis quinquefolia, strong	4 00
Bignonia radicans	5 00

T. R. WATSON, Plymouth, Mass.

California Grown

CALLAS

Carefully cured, with sound center shoots, now ready for shipment from our New York or Chicago stores.

SIZES and PRICE:
1½ to 1¾-inch, $6.00 per 100
1¾ to 1¾-inch, $8.00 per 100
2 to 2½-inch, $12.00 per 100

A FULL LINE OF

Fall Bulbs

For Florists' Forcing Now Arriving.

VAUGHAN'S SEED STORE, 14 Barclay St., New York.
Chicago, 84 and 86 Randolph St.

PALM Seed. FRESH ON HAND

ALL SEASONABLE VARIETIES.
Prices for select seeds quoted on application.
J. L. SCHILLER, Rutherford, N. J.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

W. and D's. CELEBRATED "Sure Crop" Mushroom Spawn. SPECIAL quotations to LARGE buyers.

ALL KINDS OF BULBS—
Lilium Harrisii, Freesias, Roman Hyacinths, Narcissus, etc., etc. Special prices on application.

WEEBER & DON, Seed Merchants and Growers,
114 Chambers St., NEW YORK CITY.

Mention American Florist.

HAIL For Insurance against damage by hail, Address

JOHN G. ESLER, Sec'y, F. H. A., Saddle River, N. J.



SUZUKI & IIDA,

No. 15 Broadway, NEW YORK. No. 3 Nakamura, YOKOHAMA.

Headquarters for Japanese Lily Bulbs, Nursery Stock, Seeds, etc., of **OUR OWN** Nurseries and Farms.

WHOLESALE ONLY. SEND FOR QUOTATIONS.



PALMS AND FERNS.

The LARGEST STOCK west of New York.

GEO. WITTBOLD, 1708 N. Halsted St., CHICAGO

CINERARIA PLANTS.

Ready for re-potting into 3-inch pots. The finest large-flowering dwarf varieties. Per 100, $2.50. Extras added to part pay expressage.

JOHN F. RUPP, Shiremanstown, Pa.

Cincinnati.

GOOD FLOWERS SCARCE — PRICES SOMEWHAT FIRMER, BUT STILL LOW.—GROWERS HOUSING CARNATIONS.—PERSONAL ITEMS.

The weather continues warm and mostly all of our growers are busy lifting carnations at present. First-class flowers are now scarce; there is plenty of second-class stock around, but the stores have had difficulty to secure sufficient good stock this week. Prices have been somewhat firmer, but remain rather low. The magnificent new school building on Edgewood avenue, South Cumminsville, named in honor of the late President James A. Garfield, was dedicated with great pomp and parade last Saturday. Mr. Fred Walz had the floral decorations for the occasion, a 14-foot eagle fastened over the hallway, and made solely of immortelles it is said, was much admired.

The members of the National League of Commission merchants in this city will have as their guests during Wednesday, Thursday and Friday a delegation of 150 berry growers of Chattanooga. They will receive a cordial welcome and be shown all the sights of a growing progressive city.

Mr. Theo. Lamers, of Cleveland, and Mr. John Lodder, Sr., of Hamilton, O., were callers last week. H. SCHWARZ.

NEW BRITAIN, CONN.—Carl Larenzen is about to start a florist store in this city.

MESSRS. Ellwanger & Barry, Rochester, N. Y., have shipped a collection of 125 varieties of pears to be shown at the International Horticultural Exposition at Hamburg the latter part of this month.

MORRIS, ILL.—The Morris Floral Co. have completed their new houses and now have 20,000 square feet of glass. They feel they are now in a position to fill all orders, having been unable to do this in the past. They will have an "opening" September 15, and Mr. Mitting would be glad to receive calls from brother florists at that time.

1000 VIOLETS—Marie Louise, 2½-in., $2.50 per 100; $20.00 per 1000.
500 VIOLETS—California, 2-inch, $2.50 per 100; extra strong.
1000 CARNATIONS—Rose Queen, extra fine, $5.00 per 100; $45.00 per 1000.
300 GREVILLEA ROBUSTA, 3 in., 8 to 10 inches high, fine, $5.00 per 100.
300 DRACÆNA INDIVISA, 6-inch, pot-grown, str ng 20 to 24 inches high, $20.00 per 100.
ADIANTUM CUNEATUM, 3-inch, extra strong, ready for 5 inch, $9.00 per 100.
PANDANUS UTILIS, 4-inch, $3.00 per doz.; $25.00 per 100
OTAHEITE ORANGE, 4-inch, well fruited, $3.50 per dozen.
FICUS ELASTICA, 5-inch, 15 to 18 inches high, $6.00 per doz. n; $45.00 per 100.
FICUS ELASTICA, 6-inch, 18 to 24 inches high, $9.00 per dozen; $70.00 per 100.

☞All stock in A No. 1 condition.

CARL HAGENBURGER, Florist,
. . . MENTOR, O.

ROSES.

To make room for other stock, we offer for immediate shipment, 3-inch pot plants of **BRIDES, BRIDESMAIDS, LA FRANCE** and **METEORS**, at $3.00 per 100.

MARIE LOUISE VIOLETS, strong, 2½-inch pot plants, $2.00 per 100.

I. N. KRAMER & SON,
CEDAR RAPIDS, IOWA.

CELERY PLANTS

WHITE PLUME and GIANT PASCAL.
Field-grown plants at $1.00 per 1000. Cash with order. Samples free.
EXTRA HEAVY TRANSPLANTED WHITE PLUME, $2.00 per 1000; $18.00 per 10000.
C. M. GROSSMAN, Wolcottville, Ind.
Mention American Florist.

CARNATIONS.

50 000 strong and healthy field-grown CARNATIONS.

WM. SCOTT,
ROSE QUEEN,
TIDAL WAVE,
ALBERTINI,
DAYBREAK,
NANCY HANKS,
MRS. THOMPSON,
PORTIA,
LIZZIE GILBERT,
CORSAIR,
LIZZIE McGOWAN,
SILVER SPRAY,
STORM KING,
IVORY.

$3.00 per 100; $25 00 per 1000. No order for less than 100 accepted.

REINBERG BROS., 51 Wabash Ave., CHICAGO.

---

4 Acres Field-Grown Carnation Plants, 94,000.

Our carnations are grown with the greatest care. Free from disease, and packed light by our improved system of packing, by which we can send them to all parts of the United States and Canada in perfect condition.

CRIMSON SPORT	IVORY	JUBILEE	DEAN HOLE
BUTTERCUP	DELLA FOX $1.50 per dozen.	AMAZINDY $8.00 per hundred.	
BRIDESMAID	MME. DIAZ ALBERTINI	CHESTER PRIDE	DAYBREAK
METEOR	BRIDE OF EARLESCOURT $1.25 per dozen.	HELEN KELLER $6.00 per hundred.	STORM KING
SWEETBRIER	L. L. LAMBORN	CARFIELD	WM. SCOTT
PORTIA	SILVER SPRAY	GRACE WILDER	TIDAL WAVE
MRS. CARNEGIE	LIZZIE McGOWAN $1.00 per dozen. $5.00 per hundred.	PURITAN $35.00 per thousand.	ROSALIND

J. L. DILLON, BLOOMSBURG, PA.

ROSES—Clean, strong and carefully grown Delivered free in New York or Philadelphia.
AMERICAN BEAUTY, 3½-inch $8, 4-inch $12 per 100. **BRIDESMAID, PERLE,** 4-inch $6.00 per 100. **METEOR, KAISERIN, BRIDE, LA FRANCE,** 3½-inch $5.00, ☞Special rates on quantities.
SMILAX, $1.00 per 100. ASPARAGUS PLUMOSUS. CALIFORNIA VIOLETS.
A. S. MacBEAN, Lakewood, N. J.

Field Grown CARNATIONS

Good and healthy stock, $5.00 per 100; $45.00 per 1000. Cash with order.

500 Albertini,	500 Storm King,
1500 Alaska,	200 Triumph,
500 Craig, extra fine,	500 Tidal Wave,
500 Peachblow,	500 Della Fox,
1000 Scotts,	1000 Fisher, extra,
1500 Rose Queen, extra,	200 Bridesmaid,
300 Meteor,	500 Eldorado,
1000 Daybreak,	300 McGowan.

E. HIPPARD,
YOUNGSTOWN, O.

VIOLETS

Marie Louise, and California.

Strong, well established, clean, healthy plants, from 4-inch pots, at $4.00 per 100. Field-grown clumps of California at $5.00 per 100.

Carnations.

Daybreak, Silver Spray, Rose Queen, Garfield and Portia.

Clean, healthy, field-grown stock, at $1 per 100. Samples mailed on receipt of 10c to cover postage.

L. L. MAY & CO., St. Paul, Minn.

Surplus Carnations.

I have **2000 CARNATIONS**, field-grown, at $4 00 per 100, in the following varieties;

200 Tidal Wave	200 Wm. Scott
200 Daybreak	200 Meteor
100 Bridesmaid	400 Minnie Cook
300 Rose Queen	400 McGowan

SEND FOR SAMPLES

W. A. WETTLIN, Hornellsville, N. Y.

CHINESE PRIMROSE PLANTS.

Strong and well grown, ready for 3-inch pots. This fine strain enjoys the National reputation of being unsurpassed. Single varieties in ch ice assortment, $2.50 per 100. Double vars., $4.00 per 100. Extra plants added to help pay expressage. Adams & U. S. express.

JOHN F. RUPP, Shiremanstown, Pa.
Chinese Primrose Specialist.

Always mention the American Florist when writing to advertisers.

Field-Grown CARNATION

MAYOR PINGREE,

$10.00 Per 100.

JOHN BREITMEYER & SONS,
DETROIT, MICH.

Field-Grown CARNATION PLANTS

3000 McGowan, 2000 Scotts.

J. A. SUYDAM, Flatbush, Brooklyn, N. Y.
Price on application.

ORCHIDS. ORCHIDS.

We do not claim to have everything; but we do claim to have the finest stock of **CATTLEYAS.** Just what the American Florists want.

Established plants by the dozen or the hundred, and we also expect an early arrival of **CATTLEYA LABIATA.** Write for particulars to

LAGER & HURRELL,
Orchid Growers and Importers, SUMMIT, N. J.

WINTZER'S

New Pedigree Cannas.

PHILADELPHIA—The finest crimson.
MAIDENS BLUSH—Color of Daybreak carnation.
ALSACE—Nearest pure white. And many other choice new kinds of our own introduction.

Write for special list. **THE CONARD & JONES CO.,** West Grove, Pa.

300,000 SMALL and LARGE FERNS

In variety; well grown; reasonable prices. Send stamps for samples.

COCOS WEDDELIANA, 2½-inch pots, at $6.00 per 100.

CARNATIONS from field, Victor, Daybreak, Scott, McGowan, K. Clover and Eldorado.

B. REDFIELD, Glenside, Pa.

Single Violets.

	Per Doz.	Per 100
Princess de Galles	$1.00	$7.00
Princess Beatrice (new)	1.00	7.00
Admiral Avellan (new)	1 00	7.00
Luxonne	.75	5.00
Petite Blue	.75	5.00

IMPORTANT NOTICE:—All plants are healthy, not diseased nor degenerated; each kind true to name. All stock grown in cold frames without artificial heat of any kind.

SINGLE VIOLETS MY SPECIALTY.

All good kinds furnished on application.

FRANCOIS SUPIOT,

57th St. & Lancaster Ave., PHILADELPHIA

FIELD-GROWN

CARNATIONS

	PER 100
STANDARD VARIETIES, 1st size,	$7.00
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ROSES. Extra fine stock, clean and healthy.

BRIDE and BRIDESMAID, from 2½-inch pots, $30.00 per 1000; $2.50 per 100.
BRIDE and BRIDESMAID, from 3½-inch pots, $35 00 per 1000; $1 00 per 100.
GERANIUMS, 3 inch, $4.00 per 100.
CUT SMILAX, 12 cents per string.
TERMS CASH.

NATIONAL PLANT CO., Dayton, O.

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STILL HAVE SOME FINE

Perles, Kaiserins, and Brides.

Strong plants. Will close out cheap.

EXTRA STRONG 2-INCH SMILAX, at $15 per thousand.

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For MILDEW on ROSES

CARNATION RUST, FRUITS AND VECETABLES,

USE FOSTITE; 5 lbs. 50 cts.; 25 lbs. $2.00.

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TRY DREER'S GARDEN SEEDS,

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER, Philadelphia, Pa.

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ARE

THE BEST.

SEED, $1.25 per 1-4 ounce. PLANTS, $5.00 per 1000; 75c. per 100; 2,500 for $10.00.

SMILAX, fine plants at $1.25 per 100; $10 00 per 1000. Sample for 10 cts.

ALBERT M. HERR, Lancaster, Pa.

HERR'S CARNATIONS

2000 McGOWAN,
1000 ARMAZINDY,
700 ABUNDANCE,
500 PORTIA,
300 ALASKA,
500 CARTLEDGE,

5c. EACH.

3000 TRIUMPH, the best pink in every particular I ever grew, at $7.50 per hundred.

ALBERT M. HERR, Lancaster, Pa.

8000 CARNATION PLANTS. 8000

As fine as can be grown anywhere, 4 and 6 cents each according to size and variety. Honest samples at same prices.

VARIETIES—DIAZ ALBERTINI, SCOTT, DAYBREAK, SILVER SPRAY, METEOR, PORTIA, GARFIELD, GRACE WILDER, BUTTERCUP, TIDAL WAVE.

Also 2000 fine MARIE LOUISE VIOLETS, and 500 VINCAS, field-grown, variegated and green.

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NOW WE HAVE IT.



A Perfect Carnation Support.

We will send a sample free if you pay express charges, which will convince you that it is all we claim.

The only support *highly commended* by judges of the "S. A. F." convention at Providence, R. I., Aug. 17, 1897.

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Clematis, Rhododendrons, Magnolias, Hardy Azaleas, Tree Roses, Etc.

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Branch Horticultural Co., Boskoop, Holland.

ROSES for FORCING.

750 BRIDES, 600 MAIDS, 750 METEORS, 125 PERLES, in 3½-in. pots at $3.50 per 100

Elegant clean stock. If you are in want of any speak quick.

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CARNATIONS

STANDARD VARIETIES, FREE FROM DISEASE.

IVORY, best white, SCOTT, "MURILLA", ROSE QUEEN, DAYBREAK and PIERSON.

Write for prices.

CRABB & HUNTER, Grand Rapids, Mich.

Marie Louise Violets and Carnations.

Field-grown, $1.00 and $5 00 per 100.

Florida Hot Water Boiler No. "H", for sale cheap.

L. E. MARQUISEE, Syracuse, N. Y.

JUBILEE CARNATIONS.

Growing in 3-inch pots, at $10 00 per 100. Quantity limited.

Cash with order.

EDWIN LONSDALE,

Chestnut Hill, Phila., Pa.

Money Order Office, Station H Phila., Pa.

MORELLO

Field-grown, at $1 50 per dozen; $10.00 per hundred.

HOPP & LEMKE, Paul P. O., Mich.

The Cottage Gardens,

QUEENS, L. I.

SPECIALTIES IN

CARNATIONS, CHRYSANTHEMUMS, CANNAS, GERANIUMS, DAHLIAS.

Send for our Price List. . . . . .

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Wholesale Florists

RICHMOND, INDIANA.

CARNATIONS. Strong, field-grown, healthy stock.

Wm. Scott, Tidal Wave, Edna Craig, Rose Queen, McGowan, Mrs. Fisher, Hinze's White, Portia, E. G. Hill, Emily Pierson $4 per 100; in orders of 500 to 1000, $30. Swainsona alba, strong 4-inch pots, $1.50 per doz.

Roses extra strong, Perle and Bridesmaid 3-in. pots $5 per 100. Bride, Bridesmaid, Perle, Sunset, Niphetos, Wootton, Siebrecht and Morgan, fine, strong, healthy plants from 2½-inch pots, $3 per 100.

I will exchange for Dbl. Violets and H. P. Roses.

JOSEPH HEINL, Jacksonville, Ill.

Finest Stock of Field-Grown

CARNATIONS

15,000 McGowan, Rose Queen and Scott, free from rust and disease. Per 100, $4 00; per 1000, $35.00. In lots of from 3000 to 5000, $30.00 per 1000. This stock is all blooming in the field.

CASH WITH ORDER, OR C. O. D.

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CARNATIONS. 1000 Scott, 400 Daybreak

Fine field-grown plants, at $4.00 per 100.

WM. P. FUND, Oak Park, Ill.

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

Dayton, O.

There are unmistakable signs that the Dayton florists are inclined to view things in a brighter aspect, notwithstanding the present stagnation. Enlargement of plants and improvements of various kinds which have been postponed from time to time during the past four years, are now being carried out.

Among these is J. B. Heiss, who has now in course of erection six additional large houses, to be expressly adapted for palms. Every modern improvement known will be introduced.

Mr. G. J. Horlacher's plant, comprising over 15,000 feet of glass, is one of the finest in the state. Mr. Horlacher has recently rebuilt his boiler room and has likewise replaced his old boiler by two new ones, one of which is of 80 and the other one 60 horse power. Concrete floors and walks were introduced throughout the establishment.

A call on Mr. H. H. Ritter was by no means disappointing, in so far as the appearance of the place was concerned. Neatness and order, the clean, healthy and vigorous appearance of the plants made a most favorable impression upon your correspondent. My only disappointment consisted in missing Mr. Ritter, who, accompanied by his venerable father, had left about an hour previous for Providence.

Mr. John Boehner has things in fine shape and he proposes to go ahead at a lively rate and do a lucrative business.

HOMO.

THE TERRIBLE HAILSTORM that raged on Thursday, June 24, 1897, throughout Essex, Middlesex, and parts of Hertfordshire severely damaged glass houses on over sixty nurseries at Chelmsford and district, Ponders End, Enfield, Enfield Highway, Waltham Cross, Hoddesdon, and Harrow. Twenty-one ounce glass of all sizes was completely riddled, and considerable damage was done to the grapes, cucumbers, tomatoes, and all kinds of plants and ferns growing beneath it. We are glad to hear, however, that not less than thirty of the nurserymen who suffered loss were insured with the Nurserymen, Market Gardeners', and General Hailstorm Insurance Corporation, of King Street, Covent Garden, who immediately assessed the damage done and paid the claims six days later. One nurseryman lost 70,884 square feet of twenty-one ounce glass, and his claim at 3d. per square foot amounted to £886 1s.—*Gardeners' Magazine.*

SARATOGA, N. Y.—The fourth annual parade, battle of flowers and floral ball of the Saratoga Floral Association was held the afternoon of September 7. The bicycle division outrivalled in decorative floral effects anything of the kind yet seen.

JAPANESE NURSERIES,

Importers, Exporters and Growers of the PLANTS, BULBS and SEEDS of

TOKIO AND OSAKA, JAPAN.

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THE LARGEST AND FINEST STOCK IN AMERICA.

ARECA LUTESCENS.

	DOZ.	HUN.
3½-in. pots, bushy, 12 to 15 in. high	$3.00	$20.00
4 " " 18 to 20 in. high	4.00	30.00
5 " " 20 to 22 in. high	6.00	50.00
8-9 " " 3 to 5 ft., $4, $5 & $6 each.		

COCOS WEDDELLIANA.

2½-in. pots, extra fine, 5 to 6 leaves	2.00	15.00
3 " " strong	2.50	20.00
3 " " very strong selected	3.50	25.00
3½ " "	4.00	

KENTIA BELMOREANA.

	EACH.	DOZ.
5 in. pots, extra strong, bushy, 5 to 6 leaves, 18 to 20 in. high	$ .75	$8.00
6 in. pots, heavy, 2 to 2½ ft. high	1.50	18.00
7-in. pots, heavy, 2 to 2½ ft. high	2.00	24.00
8-in. pots, 36 to 40 in., decorative size, $3.50 to $6.00 each.		

KENTIA FORSTERIANA.

	DOZ.	HUN.
3-in. pots, 12 to 15 in. high	$2.00	$15.00
4 " 15 to 18 "	4.50	35.00
6 " 2 to 2½ ft. high	$1.25 each.	
7 " 2 to 2½ "	$2.00 to $2.50 "	

LATANIA BORBONICA.

5-in. pots, 2 ft. specimens	$15.00 per doz.
6 " perfect specimens, 7-9 leaves	18.00 "
7 " " 8-9 "	$2.00-$2.50 each

LIVISTONA ROTUNDIFOLIA.

4-in. pot, 10 to 12 in. high	$1.25 each; $15.00 per doz.
5 " 12 to 15 "	$1.50 each; $18.00 per doz.

PHŒNIX RECLINATA.

6 in. pots, 15 to 18 in. high... $1.00 each; $10.00 per doz.

DRACÆNAS (in variety).

Without doubt or exception we have the grandest lot in the country. Open for inspection.

5-in. pots	$4.00 per doz.
5 "	6.00 " (colored and coloring)

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	EACH.	HUN.
4-in. pots, fine strong plants	$0.35	$30.00
6 " strong plants, 2 ft. high	.50	50.00
7 " " 2½ to 3 ft. high	.75	75.00

FERNS. FERNS. FERNS.

If you are going to buy it will pay you to get a sample of our grand stock.

2½-in. pots in 5 varieties | $3.50 per 100; $30.00 per 1000

Nephrolepis cordata compacta. The largest stock of this grand variety.

3-in. pots, fine stock	$15.00 per 100
6 " fine specimens, 15-18 in. high	$4 doz.; $35 100

Pteris Umbrosa Gigantea.

4-in. pots	$5.00 per 100
5 "	5.00 per doz.
6 " bushy	.75 each.

All measurements taken from top of pots. The above is a brief list of our specialties. WRITE, TELEGRAPH or TELEPHONE US, and our carriage will MEET YOU. Address all communications to the Nurseries.

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PALMS AND FERNS.

Best commercial varieties and sizes; prices moderate.

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Large and fine stock always on hand.

WIRE WORK. Best workmanship; lowest prices.

BULBS. Romans. Harrisii, Calla, Chinese Lily, and all Dutch Bulbs now ready.

Send for our PRICE LIST. **ELLIS & POLLWORTH, Milwaukee, Wis.**

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20,000 FEET—out-of-door growing—FICUS.

Any size up to 4 feet, at $25.00 for 100 feet; $225.00 for 1000 feet.

Measurement from top of pot to crown of stem (not top leaf). Must be sold before housing time.

A. C. OELSCHIG, Savannah, Ga.

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CARNATIONS.

Rose Queen, Silver Spray,
Daybreak, Portia.
Fine, stocky, field-grown plants.

SMILAX.

A few thousand Smilax, good strong plants in 2½-inch pots.

VIOLETS.

Marie Louise, clean, healthy plants. Write for prices.

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PRIMROSES. Extra quality, large plants, sure to please. In pots, $4.00 per 100; 250 for $10.00.

MARIE LOUISE VIOLETS. Healthy stock, pot grown, $3 per 100; $25.00 per 1000. Large clumps, field-grown, $4.00 per 100.

CARNATIONS. Scott, T. Wave, S. Spray, E. Pierson, Daybreak, McGowan, large plants, $5.00 per 100.

CEO. H. BENEDICT, Yorkville, N. Y.

PRIMULA CHINENSIS, 2-inch pots ..... $2.00 per 100, $20.00 per 1000

PRIMULA, transplanted seedlings, from flats $1.50 per 100.

FERNS, 3-inch pots..... $5.00 per 100

CARNATIONS. Field grown Lizzie McGowan and Scott. Write for prices.

VIOLETS. Marie Louise, strong field grown. Write for prices.

HYDRANGEA HORTENSIS, rooted cuttings..... $2.00 per 100

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ABUTILON Souvenir de Bonn and Golden Fleece...$3.00 per 100

GERANIUMS. Rooted cuttings.... $1.50 per 100, $12.00 per 1000

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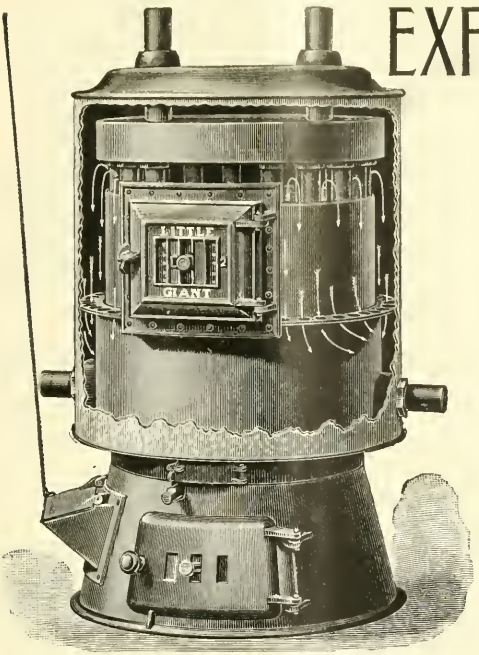
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all things and **WISE** men will learn by the experience of others how to avoid

FOLLY.

We have been telling that we make a good boiler; that it will do good work and save fuel. Astonishing as it may seem, many florists have

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our statement and have bought our boilers and profited thereby. Others have not believed them and have kept right along using

"ANY OLD THING"

that wastes their time and money, imperils their stock and wears their patience. To this large class we would say, **DON'T** believe us, but **DO** believe persons who have had experience with the boilers and note what they say.

For instance:

M. S. WORDEN, North Adams, Mass.,

Writing us recently says: "I am much pleased with my No. 12 Little Giant Hot Water Boiler, and it is a 'Giant' indeed, for it heats so much that I am thinking of building just as much more greenhouse as I now have, and feel confident it will take care of the whole all right. You need not hesitate at any time if any one wants to know about the boiler, to have them write me."

Our catalogue is **FREE** and our prices are **ENTICING.** **GIBLIN & CO., Utica, N. Y.**

Hot-Bed

Sash.

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3	ft. x 6 ft.,	3 rows	10 in.	glass.
3 ft. 3 in. x 6 ft.,	4	"	8 in.	"
4	ft. x 6 ft.,	5	" 8 in.	"

Not glazed, 1¾ in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,

Lockland, Ohio.

"JADOO"

FIBRE.

Every plant grown in it, thrives without earth.

LIQUID.

The best, safest and cheapest Fertilizer sold.

THE AMERICAN JADOO CO.

U. S. Patent & Trade Mark.

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PHILADELPHIA, PA.

ORNAMENTAL TREES AND SHRUBS.

Roses, Bulbs and Hardy Perennials

In Large Assortment and of Superior Quality.

Fully believe that we can show more Ornamental Trees and Shrubs, and a larger, finer block of Hardy Roses, Hybrid Perpetual Moss and Climbers of the leading popular varieties including the famous Crimson Rambler than can be seen elsewhere. We have 32 greenhouses, several of them devoted to Palms, Cycas, Ficus and Araucaria Excelsa. Personal inspection and correspondence solicited. Catalogue free.

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Jacksonville, Ill.

Some six years ago, when I first visited this city, things looked different from what they do to-day. What had impressed me at the time as obsolete or old-fashioned, has since given way to various innovations, showing that this thriving town has fully kept abreast of the times. Among the numerous changes and improvements, that of Mr. Jos. Heinl's flower and seed store is especially noteworthy. The store is located at 229 W. State street, one of the principal business thoroughfares in town, and is a model of its kind, being well equipped with every convenience imaginable. Mr. Heinl, in addition to his flower business, does an extensive trade in seeds, handling a full line of all varieties of garden, vegetable and flower seeds. This department, which is of comparatively recent introduction, has passed its experimental stage, being now an assured success.

At Mr. Heinl's greenhouses everything is in the best of order, the young roses planted during the first week in June looking exceptionally fine. In the carnation line Mr. Heinl finds Scott, Fred. Dorner and Lizzie McGowan fully worthy of their namesakes, though Emily Pierson, Rose Queen and Meteor do almost equally well with him. Three violet houses, each covering 10x80 have been added during the summer to Mr. Heinl's plant.

Trade, as usual at this season of the year is quiet. In the wholesale department Mr. Heinl reports a marked improvement, the sale of rose plants increasing from year to year. HOMO.

CLARKSVILLE, TENN.— The property here known as the Evergreen Lodge Flower Garden has been recently sold by the assignees of the Crusman estate and was purchased by Jas. Morton who was manager of the greenhouse department of J. J. Crusman's business for over twelve years and has since the business failure of Mr. Crusman been renting the property from the assignees, until the recent sale when he became proprietor of all the greenhouse property and sufficient of the land adjoining to run an up-to-date establishment. Mr. Morton is now remodeling the entire place, having torn down a number of the greenhonses, and is rebuilding all in a solid block to which he is adding a new house of cypress material 112x20 feet to be heated by hot water. The property is beautifully situated in the best part of the city and when all improvements are made will be an ideal establishment.

THE Sixth annual session of the National Irrigation Congress will be held at Lincoln, Neb., September 28, 29, and 30, 1897. C. M. Heintz, Los Angeles, Cal., is secretary.

CIRCULAR No. 16 of U. S. Dept. of Agriculture, Division of Forestry, is an interesting illustrated essay on the "Age of trees and time of blazing determined by annual rings."



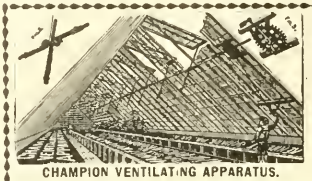
GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave.,
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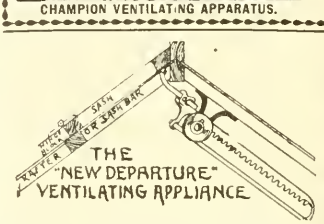
FOR SALE CHEAP.
GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Broadway, NEW YORK.

STANDARD FLOWER POTS.
Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.
A FULL LINE OF BULB PANS.
THE WHILLDIN POTTERY COMPANY, 713 to 719 Wharton Street, Philadelphia, Pa.
BRANCH WAREHOUSES: { Kearney and Westalde Aves., Jersey City, N. J. / Jackson Ave. and Pearson St., Long Island City, N. Y.

STANDARD FLOWER POTS
Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.
A. H. HEWS & CO., N. Cambridge, Mass.

SYRACUSE POTTERY CO.
Manufacturers of
FLOWER POTS, BULB PANS, HANGING BASKETS AND SAUCERS
OUR Flower Pots are standard measure and all first-class and we assure you they will give good satisfaction. We call your attention to our new pots, 6, 7, 8 and 9-inch, called the "Poro Pot" They are more Porous than any pots, smoother inside and outside, perfect drainage, and are easily washed and cleaned. Give them a trial and you will not want any other. Remember, these Pots are as cheap as any other Pot on the market. Write for price list.
SYRACUSE POTTERY CO., SYRACUSE, N. Y.


CHAMPION VENTILATING APPARATUS.
IT'S EASY
to explain the popularity of the
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Light, Strong, Durable, Efficient and Convenient, it is a favorite everywhere.
Special inducements to those who answer this ad. Catalogue free.
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You can not get a **GOOD THING** for nothing. But the price of this apparatus is next to nothing. Send for price and description to
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REFERENCE BOOK
Contains a vast amount of valuable reference matter in addition to the directory list
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FLOWER POTS.
We Manufacture all kinds of Flower Pots, etc. Making a Specialty of
Florist Standard Pots
Send for price list and samples (which will be sent free and we know you will give us your order:
J. G. SWAHN'S SONS, P. O. Box 78, Minneapolis, Minn.
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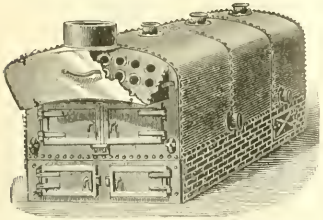
It costs 4 cents for each 600 feet of floor space.
Kill the Bugs! AND SAVE THE BLOOMS
Does not injure the most sensitive plants. Endorsed
Nikoteen
by prominent florists. Used for fumigation or spraying indoors or out. 200 pounds of tobacco in one pint of Nikoteen. Sold by seedsmen. Circular free. SKABCURA DIP CO. CHICAGO.
Quickly Does It.

THE BEST FOR ALL Florists.
"ROSE LEAF" EXTRACT OF TOBACCO INSECTICIDE
FOR SALE BY Seed Stores.
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LOUISVILLE SPIRIT CURED TOBACCO CO. Louisville, Ky

FOR SALE.
Standard Flower Pots
right from the manufacturers. Before buying pots write to us for Special Prices and Discounts. Our pots are red in color.
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Greenhouse * Boiler,
29 to 59 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.
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IS MUCH MORE DURABLE THAN PINE.
CYPRESS SASH BARS
UP TO 32 FEET IN LENGTH OR LONGER.
GREENHOUSE
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Send for our Illustrated Book
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This has been a specialty with us for many years and to us is due the credit for many of the great improvements that have been made in the construction of wooden green-houses. To those that buy our

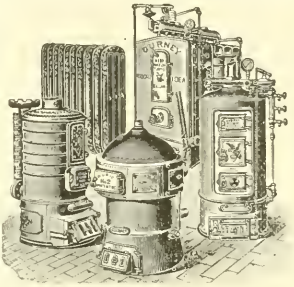
Clear Cypress Building Material

we furnish, free of cost, complete detail drawings from which any intelligent workman can put up the material correctly. We have plenty of time to write letters ABOUT OUR BUSINESS, and we will be glad to hear from those contemplating building.

Write for Circulars or Estimates.

LOCKLAND LUMBER CO.
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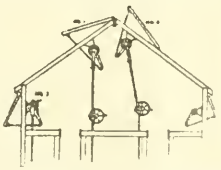


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American Pomological Society.

At the regular biennial meeting of the American Pomological Society, held at Columbus, O., last week, many very interesting papers were read and discussed, and officers for the ensuing term were elected as follows: C. L. Watrous, of Iowa, president; G. W. Campbell, of Ohio, first vice-president; W. A. Taylor, Washington, D. C., secretary; L. A. Taft, of Michigan, treasurer.

BULBS.—The answer to the question "Where shall our bulbs come from?" read at the Providence convention and reported on page 79 of our issue of August 21, was erroneously attributed to Mr. C. L. Allen. It should have read Mr. C. H. Allen.

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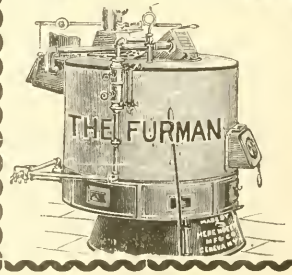
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THE AMERICAN FLORIST



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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—ADAM GRAHAM, Cleveland, O., president; FARQUHAR MACRAE, Providence, R. I., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer.

OFFICERS-ELECT (To be Installed Jan. 1, 1898)—Wm. F. Gude, Washington, D. C., president; A. Donaghue, Omaha, Neb., vice-president; secretary and treasurer as before.

The fourteenth annual meeting will be held at Omaha, Neb., August, 1898.

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WEST BROOKFIELD, MASS.—The florist business, including land, greenhouses and dwelling house, of Mrs. E. A. Jennings, has been sold to S. E. Walton, of Springfield.

LITTLE FALLS, N. Y.—Crowe & Graham is the name of a new firm of florists here, composed of Mr. Peter Crowe, of Utica, and Mr. John O. Graham, formerly of Binghampton. This does not affect the business of Mr. Peter Crowe at Utica, which is still conducted by him individually. The item in last issue under the heading of Utica was incorrect in this respect.

Fern Notes.

ASPLENIUMS.

No new species have been added to this genus for a number of years, and garden varieties have not been over plentiful except among our British ladyfern (Athyrium felix-fœmina). For trade purposes those of the bulbiferum section are the most useful and, as they can be propagated from the bulbils more readily than from spores varieties do not often occur. I believe if growers were to persevere and raise seedlings, varieties would become as plentiful as they are among other species raised from spores. Of those that do not produce bulbils very few can be propagated except from spores, as they form but one single crown.

Taking A. Nidus, a most useful fern when well grown, there are several varieties, that known as musæfollum being the best. Spores must be taken from large plants which have been grown where the atmosphere is not too close and moist. It requires some perseverance to get a good stock, and they are very slow in a young state, but once they get into 5-inch pots they make rapid progress. During the young state, or I might say always, it is necessary to keep careful watch for slugs and snails; once these get established, it is very difficult to eradicate them, the base of the fronds forming a good cover for them. All the asplenums are more troubled with these pests than most ferns, but few show the effects so soon as the above. In growing young plants a rather molst shady position is best, but after they are well advanced they may be more exposed, which will give greater substance to the fronds.

A. pteridioides is a very distinct species with recurved pinnate fronds, of a deep green with a bronzy tint. It closely resembles the bulbiferum type but does not produce bulbils. From a batch of seedlings raised at Mr. H. B. May's nursery a few years ago a very distinct variety was selected and named Mayii. It has longer fronds than the parent, and has a bright green surface to the fronds. A first-class certificate was awarded by the Royal Hort. Society. Later batches of seedlings from this and others nearly allied, has resulted in further varieties, and only a very limited number have proved to be the true Mayii.

There are several intermediate forms between Baptisti and Novæ-Caledoniæ. The last named has tripinnate fronds very finely cut and of a deep olive green. All of this type may be increased by divisions as they form a number of crowns. Of other seedling varieties Herbsti is worthy of mention, this is more in the way of lucidum. The fronds are erect, pinnate, the broad pinnæ irregular in shape, some being deeply cut into broad segments and some entire. A first-class certificate was awarded for this, and if it will come true from spores it will prove a valuable acquisition.

A. lucidum is one of the most serviceable ferns we have, but it is never over plentiful. I have seen nice batches of seedlings but have had many failures when sowing fresh collected spores. Like many others, the spores from old well matured plants are the most reliable and even with these failures may often occur. A great advantage in this fern is that when once good plants are established they keep in good character for a considerable time, and the fronds being of a thick leathery texture they stand exposure well.

All of the above thrive best when potted in a rough porous compost, fibrous peat with good loam and leaf mould, to which may be added a liberal addition of sharp sand. With plenty of drainage and an intermediate temperature they will give little trouble. I must not omit to add that they are not aquatics; they more often suffer from over watering than from drought. Like most other ferns which show no colored tints in the young fronds, they love a shady position but should not be grown under other plants.

A. HEMSLEY.

Heating.

We have a house 12x60 ft., heated with nine 1¼-inch pipes, supplied by one 2-inch flow pipe. Now, as five of these pipes furnish enough steam to heat the house could we not add to the far end of this house a house (as given below) and heat it or rather furnish enough heat for it through this 2 inch pipe which supplies the house mentioned? The size of the house we want to add is 36x16 and 13 ft. from floor to ridge. It has a gable on each side as high as the house and 16 ft. at the plate. The house will be exposed on two sides and one end. The eave or plate is 5½ ft. from ground; three ft. of wood and 2½ ft. of glass compose the sides and end.

How many 1¼-inch pipes will it take to heat it, or what would be the best way to pipe it? How large a pipe would it take to return the condensed steam to the boiler? B.

B. can possibly heat the additional house through the one 2-inch main, but if it were my own case I would prefer to run an independent main for the addition, as I think it would be much easier on the boiler and give better satisfaction in the end. With nine 1¼-inch pipes in a house heated by steam 12x60 he certainly has at least one-third more piping than is required. Why not reduce the number of pipes in this house, carry a 2-inch main to the new addition and branch into the smaller pipes, which for a house 16 feet wide and 13 feet high I would prefer to use nine 1-inch pipes with valves on each flow, thus giving absolute control of the temperature at all times. I would also

prefer to make each pipe one continuous run all round the house; thus in mild weather probably two pipes all round would be sufficient, while in very cold weather it may require the whole piping. The one extra pipe could be carried on the coldest side of the house, either as a flow or return connected with another.

Regarding the size of the return pipe for condensed steam, a 1½-inch pipe with a good fall would be ample and it would be advisable to drop this near the boiler to below the level of the water in boiler, thus forming a trap to prevent back pressure. JOHN N. MAY.

Water Supply.

A subscriber asks: "Is it better to put up a windmill to supply water for 10,000 square feet of glass, also dwelling house, stable and lawn, or to take the city water at the rate of 50 cents per thousand gallons?"

I have windmill and tank in use in a country village and city water at the city place. The rate of 50 cents per thousand gallons is outrageous and you cannot afford to pay it. For a place of about 30,000 ft. of glass I was paying by meter 4 cents per thousand gallons. That is a rate which in our city is known as "Commercial business other than manufacturer." You could afford to pay 10 cents per thousand gallons, and it would still be better than going to the expense of a mill and tank. More than that I would not pay.

I dreaded when building in the country to be without city water but am now perfectly satisfied. My tank holds 150 barrels and cost $40, the windmill and pump about $100. This is the fifth year it has been running and with the exception of oil has not cost 5 cents. It supplies water for 22,000 square feet of greenhouses and will supply still more. The higher you can raise your tank the better force you will have. Be sure you have a well or some other supply that you can't pump dry, and if you get a mill be sure and purchase the Chicago "Aermoter;" it's a dandy. WM. SCOTT.

Pittsburg.

BUSINESS STILL SLOWLY IMPROVING —HEAT AND DROUGHT INJURES OUTSIDE STOCK — OUTLOOK FOR WINTER'S TRADE.—CLUB MEETING —MEETING OF BOTANICAL SOCIETY.

The slight improvement in business still continues, although the extremely hot spell of the week is very much against revival of business. The hot weather without any rain has seriously affected the outside flowers, making them small and short-stemmed, and the foliage of the trees is literally dried up, the leaves dropping off as they do in the late fall, but with all this there is a better feeling prevailing in business circles, and the outlook for the fall and winter is good.

Messrs. Elliott & Ulam report trade with them as very fair for this time of the year, and it has been the same all summer, their sales being greater each month this year than the corresponding month of last year. They are anticipating a good winter trade.

Messrs. Randolph & McClements also report trade very fair. At their greenhouses on Forbes street everything is looking well, especially their chrysanthemums. This firm are also of the opinion that the winter's trade will be very good.

The florists' evidently have not recovered from their trip to Providence, or else the extremely hot night prevented them from attending the meeting on the 9th inst., not enough for a quorum being there. It is hoped the members will turn out in force at the next meeting on the evening of the 23d inst.

The Botanical Society of Western Pennsylvania on Thursday night, September 2, held its regular monthly meeting at Carnegie Library Hall in Schenley Park. These meetings are open to the public and are intended to be educational in a very great degree. For this purpose all the resources of the park and conservatories are available and that a great interest is being awakened is shown by the attendance on Thursday night, the room being crowded and this only the fourth meeting, the first one having but a very few outsiders attending. Mr. Wm. Falconer officiated as lecturer and demonstrator; 79 natural orders were represented and 215 distinct genera, in many cases several species being shown. He commenced with showing a large collection of fruiting and ornamental shrubbery, fruits predominating—Barberries, native, Japanese and a large number of representatives from the mountains of India and Asia, Cornus, and especially large branches of Cornelian cherry, loaded with bright red fruit. Hazel nuts with the nuts in their husks. Cotoneasters, mostly deciduous species from the Himalayan mountains. Different kinds of elæagnus, covered with berries; branches of bayberry, sprays of beach plum, Irish blackthorn (Prunus spinosa) many species of euonymus, with sprays of unopened fruit, and partly unripe but all very beautiful, also branches of Chirquepin chestnuts and dwarf oaks. Perhaps the most striking fruits shown were the hips of many species of roses, comprising hardy, Japanese, European and American, some glistening scarlet, others plum purple, oval and round shaped; the fruits are the hips of single roses and form a very great additional attraction to the bush, flowers in the spring and the fruit in midsummer and up to frost. Handsome flowering crabs, from China, Japan and Siberia, the sprays laden with fruit from the size of small peas up to those of transcendant crabs, were shown in many varieties, but there was nothing brighter among the collection of berry plants than the sprays of our high bush cranberry (Viburnum opulus) and the large fruiting variety of it from the mountains of Pekin.

At the end of the lecture, or more properly talk, the eagerness with which the audience gathered around the table on which the fruits were shown, picking them out and bunching them with the flowers (all were given away freely to the audience) showed how much they were appreciated. The collection mentioned above was contributed by Mr. John Dunbar, Ass't Supt. of Highland Park, Rochester, N. Y. Banana fruits, the tree tomato in fruit, and the panama hat plant (Carludovica palmata) displaying its head of vivid red berries, were furnished from the Phipps conservatories in Schenley Park.

In the aquatic division a large leaf of the Victoria Regia lily, over 7 feet in diameter, was shown in its entirety; the under side of the leaf, as regards the construction of the nerves, ribs, etc., as fully explained, showing how impossible it was for the leaf to sink under any moderate pressure; in fact it would support a weight of about 200 lbs., and yet one could put a hole in its surface with his fingers. A very large open flower was also shown proving a novelty to many in the room; the flower stem is very spiny, more so than any other flower we know. The leaf was cut up into sections, and given to any one who wanted a piece. Of nymphæas both tropical and hardy there were about 27 distinct kinds; the night bloomers had flowers all open, the day ones all closed. Red, blue and yellow colored ones were shown in the same genus. Nelumbiums, half a dozen flowers with the heads tied up (the petals fall off so easily) came from Philadelphia, also seed vessels with them; other aquatic plants, the Water Poppy, Water Hyacinth, Parrot's Feather, Water Lettuce, azolla, etc., were shown and the uses of each explained. Mr. Henry A. Dreer of Philadelphia kindly contributed the nelumbiums and some of the lesser plants.

When through with the shrubs and aquatics, Mr. Falconer turned his attention to the tables on which was a very large collection of cut flowers, including everything in bloom in Schenley Park. The exhibition being under the auspices of the Botanical Society, they had the flowers arranged in botanical sequence. This was also much more convenient for showing them, and explaining the likeness and unlikeness of members of the same family, for instance, beginning with the crowfoot (ranunculus) family, several specimens of clematis and great bunches of delphinium, anemones, and belated columbines were held up before the audience and explained as being all members of one family. Then we passed on through poppies, candytuft, mignonette, violets, tamarix, hypericum, pinks, hibiscus, geraniums, pea flowers, roses, hydrangeas, sedum, fuchsia, and so on through most all cultivated plants. Take for instance the poppy family; it seems hard to reconcile the bocconia with the poppy, the geranium family, balsam, oxalis and nasturtium. Among peas were clover, the sensitive plant, cassia, swainsona, etc. Honeysuckle family, the snowberry, elderberry and diervilla. Many looked with astonishment when told that an elderberry and a honeysuckle were so nearly related.

The great composite family was shown in 30 genera, range including ironweed, eupatorium, blazing star, coreopsis, marigolds, wild and China asters, prairie dock, sunflowers, corn flower, feverfew, and others. Among gesneria were gloxinias, achimines, saintpaulia. The next order included snapdragon, veronica, fox-glove, mimulus, salpiglossis. In the solanum family were magnificent petunias, peppers, tobacco, Jerusalem cherries, tree tomato, matrimony vine and daturas. Oleander, allamanda and vinca were shown as members of the dogbane family. A good deal of interest was displayed when was held up a large bunch of Chinese lilac (Syringa pekinensis) and it was asked if any botanist present could name it, and not one could tell what it was, whether spiræa, elderberry or what family it belonged to. The pupils of the high school botany class were much interested when told that the colored leaves of bougainvillea were not flowers but simply bracts outside the real flower. When it came to the euphorbias a bunch of blossoms of the white spurge (E. corollata) one of our common wayside plants, the colored acalypha from the flower garden, the many hued croton, the edging box, the daintily tinted phyllanthus and the coarse looking castor bean were all members of the same family.

A few beautiful orchids were shown, the Butterfly orchid (Oncidium papilio) was passed around that all might see how perfectly some insects are imitated by flowers. The amaryllis family was represented by pancratiums, the iris by gladioluses and montbretias, the lily



MR A DONAGHUE. VICE-PRESIDENT ELECT OF THE SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

family by lilies, funkias, hyacinthus, tritoma and anthericum. At the end of the talk a handsome pitcher plant (Nepenthes Mastersii) was passed around with the explanation that the pitchers were not the blossoms but simply ornamental appendages to the leaves, and thus was dispelled an illusion held by many; a spray with a raceme of the true blossoms was also shown.

This exhibit was vastly more interesting and instructive than an ordinary flower show and will be more productive of good to the trade. Next month a more commodious room will be secured, as it is a foregone conclusion that a greater number will be in attendance. There is no expense attendant on the meetings, the exhibits are donated, the room ditto, and it will not be the fault of the Botanical Society if the people are not educated and benefitted, and with this the case the commercial florist will certainly be the gainer. REGIA.

A. Donaghue.

We present herewith a portrait of Mr. A. Donaghue, of Omaha, the vice-president-elect of the Society of American Florists and Ornamental Horticulturists.

Mr. Donaghue was born in Essex, England, November 9, 1841, and began his work as gardener when a boy of 11 years; later he engaged in all the various departments of gardening and floriculture. He came to the United States in 1864, and for a time was in the employ of Mr. Edgar Sanders, an old time Chicago florist. He removed to Omaha in 1867, where he rented eight acres of land and started a market garden. He had everything in good condition and a portion of his crop about ready to market when the grasshoppers came along and in six hours cleaned off everything but a few sweet potatoes. The next year he started again with three acres in vegetables, and was again visited by the grasshoppers, losing about one-third of his crop, when a heavy cold rain came and destroyed the hoppers. At the end of the year he was a little ahead.

In 1872 he built three small greenhouses, from which beginning has resulted the present large establishment and fine business. It is the old story of hard work and conscientious attention to business, eventually crowned by well-earned success.

Mr. Donaghue takes a deep interest in the success of the S. A. F. and will undoubtedly spare no effort to make the Omaha convention the success it ought to be.

New York.

ANNUAL DINNER OF THE NEW YORK GARDENERS' SOCIETY.—SEPTEMBER MEETING OF THE NEW YORK FLORISTS' CLUB.—MORE VARIETY IN FLORISTS' FLOWERS ADVOCATED.—HOT WEATHER INJURES BUSINESS—FLOWERS OVERSTOCKED AND PRICES VERY LOW.—A NEW FLOWER STORE.

The first annual dinner of the New York Gardeners' Society was held at Grand Central Palace on Saturday evening, September 10 and was in every way creditable to those who managed it. About seventy-five gentlemen were present. The tables were adorned with showy vases of dahlias and gladioluses. The three days' spell of torrid weather had come to an end a few hours before and the cool breeze brought big appetites with it and it was late before all were fully satisfied. Then president John Shore called to order and asked Charlie Weathered to act as toastmaster, a duty which that gentleman courteously accepted and brief speeches were the order for about an hour, Mr. Hunter opening the exercises with an excellent rendering of the song "The March of the Cameron Men."

"The New York Gardeners' Society" was the first toast. President Shore responded, urging the cultivation of a fraternal spirit as the best means of ensuring a prosperous future for the organization. President Henshaw of the New York Florists' Club responded for "Our Sister Societies." He called attention to the great improvement in the condition and surroundings of the young gardener of to-day over those prevailing when he began his career. He related an incident which happened twenty-eight years ago when thirteen gardeners of New York dined together, he being the only one of the party now alive.

W. A. Manda spoke for "The Society of American Florists." He questioned the wisdom of dividing forces by maintaining separate organizations of florists and gardeners whose interests are so nearly identical and thought that mutual benefits would result if all were to enlist under the one banner of the parent organization. Alluding to the necessity of constant effort to improve and to elevate the profession he spoke hopefully of the prospective advantages to be derived from the establishment of the New York Botanic Garden and the facilities for exhibitions and other means of advancement which are promised.

Wm. J. Stewart of the American Florist was called upon to speak for the "American Horticultural Press." He acknowledged with gratitude the indebtedness of the horticultural press to the gardeners without whose support it could not live and asserted that wherever good gardeners are found there will also be found horticultural literature of the highest class. In no other profession do we find individual generosity so prevalent as among the gardeners, who are always ready to give their neighbor the benefit of their own experience, and the horticultural press is the legitimate outlet for the exercise of this generous spirit. Mr. Wm. Anderson spoke for "The Old-fashioned Gardener," disclaiming, however, any right to the title for himself and J. H. Troy responded for the florist business, saying that the season in Newport had been very encouraging.

Wm. Scott gave a recitation in Scotch dialect in which "Maggie Hoo's" second honeymoon was apply explained and then C. W. Ward was called upon to respond for "American Floriculture." Mr. Ward applauded the multiplicity of societies and, contrary to Mr. Manda's views, argued that the increasing number of societies is an indication of growth and progress. He did not believe that the work of special and local societies would interfere with the prosperity of the parent organization which he believed should always have the co-operative support of the others. He predicted that the S. A. F. having passed through its youthful exhuberance and reaction would henceforth make a normal solid growth. His speech was marked throughout by a hopeful earnestness that made a great impression. There was a number of other speakers and it was midnight before the pleasant affair came to a close.

Around the room, which by-the-way is admirably adapted for exhibition purposes, were tables on which a fine show of flowers, plants and vegetables were

spread. Robert Laurie showed Acidenthera bicolor and seedling tritomas; H. A. Dreer, nymphæas; James Hill, a handsome bromeliad; Jas. Kirby, herbaceous flowers; Richard Brett, dipladenias and ixoras; Lager & Hurrell, a fine plant of Cattleya chrysotoxa; Rob't Angus, Cattleya labiata; W. A. Manda, caladiums and cannas; A. Grierson, a collection of flowers; G. Eisele and A. L. Marshall, seedling cannas; W. Anderson, W. P. Peacock, Mr. Granz and Chas. Zeller & Son, large collections of dahlias; A. Welsing, geraniums and cannas; J. Lewis Childs, gladioluses, etc.; John Young, lily of the valley; A. J. Wengertner and A. T. Brill, vegetables; G. B. Winslade, fruit; C. W. Ward, a superb display of cannas, dahlias and geraniums. There was also a collection of vegetables sent on the steamer Campania from C. Alldred, Tyldesley, Lancashire, Eng., but it cannot be truthfully recorded as of prize-winning quality.

The meeting of the New York Florists' Club on Monday evening was a lively interesting occasion and made up in enthusiasm for lack of numbers. Messrs. J. N. May and Chas. H. Allen talked, by special invitation, of the recent visit to Providence and Newport. The verdict of both these gentlemen was that in instructiveness and value to the visitors the Providence convention was equal if not superior to any of its predecessors. Dr. Goodale's superb lecture, Swan Point Cemetery and the trade exhibition were noted as especially excelling. A vote of thanks was passed in recognition of the hospitality of the local clubs of Providence and Newport and Secretary Young was instructed to forward a copy to each.

President Henshaw talked interestingly of what he saw on his recent trip to Great Britain and Ireland, particularly the botanical gardens where he found much valuable information. Out of his address sprang a discussion, participated in by Messrs. Allen, May and Dimmock, in which all agreed that it is unfortunate for the American floricultural trade that the list of popular flowers in the trade is so small. They urged that there were many beautiful flowers, some of them "old-fashioned" that should find a prominent place in the florists' business and advocated agitation of the subject.

C. H. Allen exhibited a fine lot of cannas, including some of his own seedlings. The committee on awards will soon be called together to decide upon the question of the disposition of the club's gold medal and designate some worthy object for which it may be offered in the near future.

The hot weather last week knocked the life out of all flower stock coming to this market and made a bold attempt to knock the life out of the unfortunates who were obliged to grow, cut or market it. A trip around among the wholesale establishments developed the fact that September trade has been and still is below the average, that J. K. Allen has received his first consignment of double violets and that they were very good, that Traendly & Schenck are receiving Kaiserin roses that are exceedingly handsome, that everybody has lily of the valley in quantity, that the new wholesale establishment of MacDonald & McManus on 30th street compares well with its neighbors and that the wily grower is already prospecting among the ambitious commission men in search of especially favorable offers for his prospective output although just at present two dollars and a half a thousand is good money for bulk roses.

G. H. Linsdale has added a new horse and flower wagon to the equipment of his 23d street store. The wagon which he proudly asserts is of "Altman style" is equalled in grandeur only by the handsome black horse that draws it and the boys are uniformed to match.

N. Christatos has disposed of his Madison avenue store to Petro Kondulis and has opened a new one at 1028 Sixth avenue, corner of 58th street.

Louis Sherry, the well-known New York caterer, is about to open a flower store at 37th street and Fifth avenue. Wm. S. Lee, well known here as an expert flower worker for many years, is to be manager.

Visiting New York: A. H. Hews, North Cambridge, Mass.

Philadelphia.

SEASON STARTED —ASTERS ON THE WANE.—ROSES BETTER —VALLEY PIPS.—SHUFFLE BOARD CONTEST — BOWLING.—VISITORS. —DUMONT HUSTLING. — FRED. EHRET HAS A WEDDING OF HIS OWN.

There is a noticeable difference in the crowds in the shopping districts and the summer shutters are coming down from the houses in the residence portion of the city. A few early weddings are taking place and altogether it may be said that the season of 1897 and 1898 has started.

Asters are on the wane and from present appearances will hardly hold out until chrysanthemums arrive. Roses are getting better; all kinds seem to be improving both in size of flower and length of stem. There are quite a few Carnot coming in; they look well and considering the light demand sell as well as other varieties. Prices of all kinds are about the same as last week. Carnations are looming up and in the absence of asters are being asked for. White and pink are the only colors as yet. Valley is selling a little better but the demand is uncertain; some good stock goes to waste.

Wm. Hageman, who imports valley pips in large quantities, says the quality of lily of the valley has of late years entered more into competition than the price, as growers prefer to pay a little more so as to insure high grade stock. His importation this year will amount to 3,300,000 pips, and in order to insure the quality and safe dispatching of the same Mr. Hageman sailed for Europe by the Fuerst Bismarck, Thursday last, so as to be on the ground at this important time.

There is to be a shuffleboard contest at the alleys commencing next week. All desiring to participate should call at the club room and enroll their names. The entrance fee is 50 cents and the sum so collected will be used to purchase prizes for the winners. Each contestant is to play one game with all the others, the total number of points made to count. The question of how to manage the affair so that all may meet conveniently is puzzling the heads of the committee not a little. Can any one suggest a schedule, say for twenty-four men, that will not conflict.

My attention has been drawn to an omission which shall no longer go unrecorded. When the boys from Philadelphia came home from the convention laden with prizes and trophies, both individual and collective, it was only natural that some rivalry would be engendered. Captain (Isaac) Kennedy made the statement that he could organize a team of bowlers that would beat that team which did so bravely for the Quaker City at Providence. The challenge was accepted. The contest was between the "Providence" and the "Yanigans;" the latter won with the comfortable margin of 119 pins, which is ample evidence that Philadelphia is right in it when bowling, as well as shooting, is the order of the day. There is some difference of opinion as to whether the "regular" team of Philadelphia Florists' Club bowlers or the "Yanigans" now owns the Evans challenge cup for the remainder of the year. One of the regrets among the bowlers here is that St. Louis, with its reported high scores, did not send a team to Providence. Perhaps they are holding themselves in reserve for Omaha.

P. J. Hauswirth, Great Sachem of the Redmen of Illinois, and one of Chicago's most genial florists, visited our city this week accompanied by his wife and Miss Kreitling.

Dumont, the Filbert street commission merchant, is hustling these days. A new ice box just put in enlarges his cold storage capacity, and the addition of a long distance telephone will make it convenient for those in a hurry, and an increased force of assistants now await the fall rush.

Frederick Ehret, the up-town commission man, was married to Miss Clara Bezuer last Wednesday evening, at the residence of the bride, which was elaborately decorated for the occasion. The bride's bouquet was of lilies of the valley. The happy pair are now off on an extensive tour including Niagara Falls, the Thousand Islands and Quebec. K.

Chicago.

OUTING OF FLORISTS' CLUB —FINE DISPLAY OF CANNAS.—A NEW FIRM.—THE CHRYSANTHEMUM SHOW.—THE MARKET.—PERSONAL ITEMS.

The fourth summer outing of the Florists' Club was a trip to Mr. J. C. Vaughan's greenhouses at Western Springs, and took place last Saturday afternoon. Mr. Vaughan had thoughtfully reserved two special cars for the party, and the trip out was a very pleasant one. Arriving at the station, the party was met by Mr. J. S. Wilson, manager of the greenhouses, and conducted to the large range of glass. The display canna beds containing many novelties attracted first attention, and much time was spent in a critical examination and comparison of the various sorts. The long drought had made it something of a struggle for the cannas in the field, and the difference between the plants in the field and those of the same variety in the display beds, which had received artificial watering, was quite marked. All looked remarkably well under the circumstances. There is a total of about seven acres devoted to cannas at this place, some 25,000 plants occupying this space, and the display of brilliant color was one to be remembered. Burbank is certainly a remarkably free bloomer, but Yellow Crozy seemed to stand the sun rather better. Italia and Austria showed to good advantage. Allemania resembles the latter very closely. Chicago is certainly to the front as a scarlet and will be hard to equal from every point of view. Egandale seems to still hold first place as a dark foliaged scarlet. Philadelphia is of a very deep rich color, darker than Bouvier. The variegated variety, John White, showed hardly enough variegation to make it very striking. But it would take pages to describe the host of sorts to be seen in flower here. After the cannas came the houses and frames. A very great variety of stock is grown, including most everything that enters into a florist's collection. All seemed to be in good condition, and the inspection



SOME OF THE CANNA BEDS AT VAUGHAN'S GREENHOUSES, WESTERN SPRINGS, ILL.

proved profitable as well as interesting.

Down the center of the long packing room a table was discovered, handsomely decorated with vases of cannas and other flowers, and plants and flowers were freely used elsewhere about the large room. Mr. Wilson is to be congratulated on his arrangements for this part of the entertainment. A vase of Burbank cannas on the table was superb—the flowers perfect as to size, form and color. The guests were invited to seat themselves, and the number was found to be 73. An excellent lunch was then served by the Women's Club of Western Springs, upon whom Mr. Vaughan had called to assist in caring for his guests.

At the conclusion of the repast Mr. Vaughan welcomed the visitors in a brief address, expressing his pleasure at their presence and trusting that all would go away with pleasant recollections of their visit. Mr. Edgar Sanders responded on behalf of the club, speaking of the success of the outings, the large attendance at and the interest in same, and warmly thanking Mr. Vaughan for his generous hospitality. Mr. W. H. Chadwick, president of the Horticultural Society of Chicago, responded on behalf of those visitors who were not members of the club, and spoke of the value of such gatherings in the general advancement of horticulture. He thanked Mr. Vaughan for the opportunity afforded all to view so many beautiful flowers, and for the entertainment so freely provided.

Mr. F. S. Allen, of Joliet, spoke of his interest in the canna and of the varieties he had seen during a recent eastern trip. Mr. S. A. Wolcott, of Batavia, told how it felt to be a "mascotte" and a grandpa, and brief addresses were made by others. These were interspersed with vocal selections by the trio composed of Messrs. McKellar, Winterson and Lynch. The thanks of the club were extended to Mr. Vaughan by a unanimous vote for his kindly welcome and generous entertainment. All returned to the city feeling that they had spent a most instructive and enjoyable afternoon. This will probably be the last outing for the season.

The wholesale cut flower and supply business of Chas. W. McKellar will hereafter be conducted by a new firm, Vaughan, McKellar & Winterson, composed of A. L. Vaughan, Chas. W. McKellar and Ed. F. Winterson. The business will be enlarged in all lines, and particularly in the department of florists' supplies. Mr. A. L. Vaughan, who becomes the senior member of the new firm, is well and very favorably known to all the western florists and seedsmen from his long business connection with J. C. Vaughan and E. H. Hunt. Lloyd Vaughan, as he is familiarly known, has been one of the most popular travelers on the road, making readily very firm friends. His kind, unobtrusive and gentlemanly ways should be very advantageous to the new firm.

Reports to the effect that the next annual chrysanthemum show of the Horticultural Society will be given in connection with the horse show at the Coliseum have no foundation in fact. A proposition to combine the two shows was made by the horse show people, but was not accepted by the Horticultural Society. There is no doubt whatever that the chrysanthemum show will be held independently as heretofore, and under the direct management of the Horticultural Society.

Mr. C. Cropp, of Vaughan's Seed Store, arrived at New York September 15 by S. S. Lahn.

A few cool, cloudy days have shortened up the supply considerably, resulting in a perceptible increase in demand, with a corresponding increase in prices. There is quite a brisk demand for American Beauty, the call being for the better grades.

As a rule carnations are very poor, most of them contracting the regular habit of going to sleep every night. An exception to this rule was found in Mr. W. Lynch's disbudded Daybreaks and Portias, which were exceedingly good for this season of the year. The price received ranges from 50 to 75 cents for best shipping stock.

Mrs. A. G. Prince and sons have returned from a two months' sojourn in the east.

Mr. Louis Schoof, grower at Homewood, Ill., has to-day joined the ranks of the Benedicts.

Visitors: H. A. Bunyard, representing Pitcher & Manda; W. S. Rennison, Sioux City, Ia.

Boston.

A HOT WAVE.—FLOWER BUSINESS FEELS ITS EFFECT.—A VISIT TO TAUNTON.—FLOWER SHOW AT THE FRUIT AND VEGETABLE EXHIBITION.—AUCTION SALES.—PERSONAL MENTION.

Boston got its share of attention from the hot wave last week. Flowers wilted and so did florists and customers, too. Business diminished as the temperature and the quantity of stock increased and it took extra sized rubbish barrels to hold the resulting accumulation. There are more roses than are needed and more asters than can be used, but carnations are within the limit and they sell all right, regardless of the weather. Funeral work, that life preserver of the florists' trade when everything else seems to go against him, has been quite active recently, and the white asters, lilies and other useful stock for this purpose have thus found an outlet denied to the brighter colored bloom, which should serve as a pointer to the aster grower when he sows his seed next year. Society people have not yet returned to town and the transient sojourner cares more for sea breezes, subway and ancient landmarks than for flowers in any form and it would seem as though an extension of time to the clerks on vacation and a continuance of the five o'clock closing rule for a couple of weeks longer might have been indulged in without any very serious results to the proprietors' pocket books.

It was on Thursday, one of the hottest days ever let loose on an unsuspecting September, that the garden committee of the Mass. Horticultural Society set out for a visit to Taunton, an hour's ride by rail from Boston. The fruit, vegetable and dairy farm of Col. Fred. Mason was the objective point. Mr. E. C. Lewis, the superintendent of this model establishment, met the party at the station and drove them to the grounds where they were welcomed by the proprietor who was

found to be not only a perfect example of the modern gentleman farmer but a man of broad views and sound judgment as to the most acceptable and fitting entertainment for a representative horticultural party from the Hub on a hot day. All were made to feel very much at home, the dinner was excellent, the farm, on inspection, was found to be productive and well managed, more like a garden than an ordinary farm, in fact, and should Taunton ever aspire to be the new Hub of the universe there are ten votes that she can have for the asking.

There was a fine fruit and vegetable show in Horticultural Hall on Saturday, September 10. In addition, there were dahlias in large numbers and dazzling variety as well as a good showing of other seasonable flowers. Robert Cameron was the recipient of a certificate of merit for Aster Novæ Angliæ alba, and Robert Laurie got honorable mention for fringed tuberous begonias. From N. T. Kidder and Oakes Ames came grand collections of hardy herbaceous flowers.

Plant auctions are on again. N. F. McCarthy will run regular semi-weekly sales for a while and Edward Hatch will have a notable sale in Horticultural Hall on Wednesday, September 22, when buyers are expected to show their faith in returning prosperity.

Michael Gray, formerly gardener on the late Col. Peabody's estate, will start a florist business business in Mattapan.

P. Welch has returned from his vacation at Old Orchard just in time to insist that the park makers pay proper value for his front garden and lawn which they have taken for boulevard widening.

A visitor in town: J. Austin Shaw, representing Siebrecht & Sons, and with a fine stock of palms to offer.

Toronto.

THE EXHIBITION. — TASTEFUL FLORAL ARRANGEMENTS —MR. SCOTT THE JUDGE. —GOOD DISPLAY OF FLOWERS.—A GRAND COMBINED KICK NEEDED. — VISITORS.— CRICKET GAME THURSDAY.

The cut flowers, floral designs, etc., make a gay show at the exhibition. The designs this year were all in the best taste and as near perfection in that line as it is possible to get. Mr. Wm. Scott, of Buffalo was the judge and I am sure he must have had a hard task. He did not give his dicislons as I and some others would have given them, but then were there ever two people who agreed on matters of taste in this line? The work being perfect and the flowers good the judge can only exercise his taste. Messrs. J. H. Dunlop, Grainger Bros., C. Tidy, C. Arnold, H. Dale, Manton Bros. and J. Cotterill were the principal exhibitors. I should like to discribe their separate exhibits but time and space forbid; they were all really beautiful.

Brides' and bridesmaids' bouquets were also very good. Cannas made a fine showy exhibit, many of the latest novelties being amongst them. Gladiolus showed no particular improvement over other years. There was a very large exhibit of sweet peas and a very pretty show they made, some bunches amongst the "12 varieties" being very fine. Asters were away ahead of former years, Semple's showing up like big chrysanthemums. There was about the usual amount of phloxes, pansies, roses, lilies and collections of cut flowers, all of which if shown in a suitable building would have made a magnificent show.

And here I would reiterate what I said in my last week's notes concerning the Horticultural. No time should be lost in getting up a grand combined kick, a kick that will make itself felt until a new hall is built. The beautiful designs mentioned, the bouquets, cannas and gladiolus were stuck up in one end of the fruit hall and were unseen by most of the crowd. There is still more to find fault with, namely the arrangement of the cut flowers. An assistant calls out the sections in their order in the prize list and the articles are placed on the benches in that order regardless of size, color, taste or anything else; not the slightest attempt is made at arrangement for effect, just the mechanical part of showing is gone through with and nothing more. I say that all this should be changed and if the Gardeners' and Florists' Association and the Horticultural Society don't set to and endeavor to get these and other kindred matters remedied they will be deserving of having the letters "N. G." tacked on to their name. First let a strong resolution be drawn up and put at regular meetings of the two societies it will doubtless be passed unanimously. Instruct the two delegates from the Horticultural Society to the Industrial Exhibition Association to push the matter all they know how, and let a deputation go down to some meeting of the directors of the I. E. A. and insist on some improvement being made. All the materials are at hand for a magnificent display at these I. E. flower shows; all that is wanted is a new hall properly designed and laid out and a superintendent with firmness, tact, and above all, taste. "Allons mes braves," let us get it and make a name for ourselves.

Visitors: Mr. W. Scott and son, Buffalo; Mr. Large, from the same place; Mr. Robt. Brooks, Fergus; Mr. James, gardener at Agricultural College, Guelph, and there were others.

The gardeners and florists will excurt to Mr. H. Dale's place at Brampton on Thursday, 18th, and endeavor to beat his crack eleven again at cricket. We may do it if the weather is as favorable as it was last time. E.

Buffalo.

BUSINESS PICKING UP.—MOST FLOWERS PLENTIFUL.—ACRES OF ASTERS —CARNATIONS SCARCE —WM. LEGG MOVES HIS HOUSES.—H. D. BUDDENBORG MAKES AN ADDITION.—TORONTO'S GREAT FAIR.— CALLERS.—W. S. RETIRES TO THE SECLUSION OF CORFU.

The fall weddings have begun and business is picking up. We can't all have the big orders but if business is going it helps all a little. Flowers have been very plentiful; far too many asters to be healthy for the grower. I see almost acres of fair asters that it does not pay to pick and send into town. Carnations are of course scarce and only those from the field are to be had. We had so much rain in the early part of the season that a dry spell was welcome, but for nearly a month we had up to Monday last been without a shower. So dry was it that some growers had to flood their field of carnations before they could lift them and others had to put off the job till we did get a rain. It came on Monday copiously.

Mr. Wm. Legg, of Delevan avenue, has moved his houses, and added several new ones, on to Delaware avenue, nearly opposite the entrance to Forest Lawn Cemetery. Mr. Legg will have a handsome front and the location is excellent, not only for Forest Lawn trade but for that growing territory so rapidly being built up and known as the Elmwood district.

Mr. Henry B. Buddenborg, of Elk street, is also building a 50x20 palm house in rear of his store, which must be a great help to him.

Your correspondent had once more the honor to act as judge of cut flowers, designs, etc., at Toronto's great fair, and it is a great fair. The horticultural department is but a small corner of it, yet it was gratifying to see with what interest and pleasure the thousands thronged the horticultural hall. The display of both plants and flowers was quite up to former years. Where else can you see such a show of dahlias? And when Dale, Dunlop and Muston all show cut roses the display is guaranteed.

We had a pleasant call from Mr. G. M. Kellogg, of Pleasant Hill, Mo., who says: "When I attended my first convention (Chicago) I had one little house and knew little of the business. I have now over one hundred thousand ft. of glass, and have got my inspiration from attending every convention and reading the horticultural papers."

That's pleasant to hear, and who can say that conventions do no good? Only the "know all stay at homes." Mr. Aug. S. Swanson also called, but to our regret we missed him as we have been in the rural village of Corfu for the past ten days. We have possibly missed more but we have gained strength and vigor from fresh air, pump water, hard work and an early retirement to roost. W. S.

St. Louis.

BUSINESS VARIABLE. — SCORCHING HEAT LOWERS QUALITY OF STOCK.—MEETING OF FLORISTS' CLUB.—THE CHRYSANTHEMUM SHOW.—BUSINESS CHANGES.—VARIOUS ITEMS.—BOWLING.

The business for the past week was up and down. A few large openings down town kept some of the florists busy and some of our society people are beginning to return from the summer resorts. This with the opening of the schools and of the exposition has kept us a little busy, but not what it should be; it is too hot.

The scorching heat of the past week has not improved the quality of stock and especially the roses. White roses, Brides and Kaiserins, are plentiful, but the Brides are small and many of them more or less mildewed. Kaiserin are very good. Red roses, particularly Meteors, are very good but not so plentiful. Bridesmaids are very abundant and there is not much sale for them. Testouts and Carnots are a little scarce. First quality Beauties sell readily, but the short stemmed ones sell slow and cheap.

Carnations are slow in improving. Daybreak, Scott and white are plentiful but small and very short stemmed. Very little outdoor stuff is now coming in. Asters and hydrangeas are nearly all gone. Gladioluses and tuberose stalks are still plentiful and slow sale. Smilax and asparagus are looking better.

The September meeting of the Florists' Club was held Thursday, September 9, with a small attendance owing to our secretary having failed to send out postal cards to the members, but those that did come had a good time. The installation ceremonies created lots of amusement for those present and after the installation was over the same ceremonies were used for the initiation of Frank Ellis, Theo. Richter and George Windler, after which they were declared members of the Florists' Club.

The exhibition committee made a report that the proposition they made to the exposition management for the Coliseum



CHICAGO FLORISTS AT VAUGHAN'S GREENHOUSES, WESTERN SPRINGS, ILL.

had been rejected. The chairman of the committee then reported that the chrysanthemum show this year would be held down town in some large vacant building. The public school library building has first choice and should we secure this building we would use the first and second floors. They also reported that everything looked favorable for a good show. Special prizes are coming in better than last year and the amount of special prizes will be doubled.

The two trustees reported that two essays would be read at the next meeting of the club, which will be held the afternoon of October 14 at 3 o'clock. President Halstedt expects a better attendance then.

George A. Kuhl came down from Pekin last week to spend a day with us.

Fred. Weber made a fine decoration at the Union Club house last week, the occasion being the golden wedding anniversary of Col. Chas. G. Stifel. The decorations were elaborate and much admired by all present.

Eugene Wurst, late foreman for Mr. Brown, at Brownhurst, has opened business on his own account in East St. Louis, Ills. Mr. Wurst has built two houses 60x18. He has now 3000 feet of glass and will grow orchids for the trade.

The Ohio Valley Floral Co., with L. T. Posey as manager, have bought out Miss C. E. McCormick's store, 20 South Broadway. Their greenhouses are at Henderson, Ky.

The Krebs Floral Co. filed articles of incorporation August 9; capital stock $2,000, all paid. Margaret Krebs holds 7 shares, Valley Rayburn 7 shares, and Fred J. Foster 6 shares. The company will do a retail business at 602 Olive street. Festus J. Wade, who was at one time secretary of the St. Louis Fair Ass'n, and now in the real estate business, is the backer of the new company. Mrs. Krebs is his sister, Valley Rayburn is an attorney in St. Louis and Fred J. Foster is late of Milwaukee, where he was in the florist business. None of the parties have any knowledge of the business except Mr. Foster. They will be open for business October 1.

Mrs. Rotter, late of Cass avenue, will open a store at 14th and Franklin avenue next week.

Mr. William Mulenschlager, foreman for the Michel Plant and Bulb Co., was drowned last week while out on a fishing trip. He leaves a widow and three children.

It was a hot night Monday to bowl but the boys were out in full force and we celebrated the birthday of John Young with the usual refreshments. Al. Bauer became a member again. In the three games Beyer was high, 605; Kuehn second, 534; Beneke, 521. High single score was by Beyer, 204; Kuehn, 188; Beneke, 184. We roll again next Monday night. J. J. B.

Montreal.

MONTHLY EXHIBITION OF GARDENERS' AND FLORISTS' CLUB.—EXHIBITS OF DECIDED MERIT.—THE SUCCESSFUL COMPETITORS.

The Gardeners' and Florists' Club held their monthly show September 6. The display of outdoor flowers was creditable considering the dry spell we have had for a couple of weeks. Very few plants were staged, but those that were shown were of very great merit.

Following is a list of the successful competitors: P. McKenna & Son, first prize for six gladioli, three gladioli, 12 helianthus of any other variety than multiflora, with their new dwarf, for 25 helianthus, for bouquet of wild flowers, for plant of tuberous begonia, for 6 pink asters, 6 zinnias, 12 zinnias, 12 Gaillardia grandiflora, 12 Marguerite carnations, 6 spikes of herbaceous phlox; and second prizes for 6 single dahlias, 6 white asters and 12 white asters; third prize for 6 blue asters, 12 blue asters and 12 striped asters.

C. A. Smith, gardener to T. A. Davis, of Lachine, received firsts for 12 single dahlias, 6 double dahlias, collection of Phlox Drummondii, vase of salpiglossis, 12 single petunias, 25 single petunias, 12 double petunias, 12 stocks, 3 cannas and 6 cannas; second prizes for 6 striped asters, 6 zinnias and 6 single dahlias; third prize for 12 zinnias.

George Trussell received first prizes for 25 perennial peas, collection zonal geraniums, 12 pansies, 25 pansies, 12 antirrhinums; second prizes for 6 perennial phlox, 12 single petunias, 25 single petunias, 12 double petunias, 12 blue asters, 12 zinnias, 25 mignonette, 3 gladioli and 6 gladioli; third prizes for 6 red asters and 12 marigolds.

John Walsh received first prizes for 12 pink asters, 12 Rudbeckia Golden Glow and 25 rudbeckias any other variety; second prizes for 12 single dahlias and 12 Helianthus multiflora; third prizes for 6 single dahlias, 12 white asters, 3 gladioli and 6 gladioli, and a special prize for vase of gladioli.

John Dunbar received first prizes for 12 Helianthus multiflora, 25 H. multiflora, 12 red asters, 6 blue asters, 12 blue asters, 12 striped asters, and specials for a vase of delphiniums, a vase of quilled asters and a vase of crown asters.

Joseph Bennett, first prize for 6 white asters, 12 white asters, special for vase of Rudbeckia Golden Glow, a plant of Ficus elastica.

Fred. Bennett first prizes for 6 red asters, 25 mignonette, 25 pansies, 6 blue asters, 12 striped asters and 12 stocks; third prize for 12 pansies, and specials for vase of pompon asters and a vase of Chrysanthemum inodorum plenissima.

J. Pascas received first prize for 25 spikes of sweet peas and second prize for helianthus of any other variety.

Wm. Horobin second prize for 12 spikes of peas; third for 25 sweet peas, 25 pansies, vase of outdoor flowers and special for vase of datura.

Wm. Alcock first for vase of outdoor flowers and special for vase of white asters.

John Stenning second prize for pot of tuberous begonia. Wm. Whiting second for vase of outdoor flowers, and special for vase bougainvillea and vase of scabiosa. T. Martel second for 25 rudbeckia.

Geo. Copland, of McGill Botanic Garden, received specials for pot of gloxinia, vase of penstemon and a vase of African marigold. Robt. Reid received a special prize for a vase of magnicent gladioli. John Holliday a special for vase of allamanda; John Doyle a special for a vase of Tinctoria spicata and vase of cosmos.

The number of people who passed through the hall during the one short hour which it was open to the public (from 9 to 10 p. m.) showed a growing interest in these monthly shows, and it is earnestly hoped that the club may see fit to continue them through the whole year.

BEAVER.

Cleveland.

CLUB MEETING.—NOMINATION OF OFFICERS.—A BOWLING CLUB TALKED OF.—BUSINESS SOMEWHAT BETTER.—HOT WEATHER HAS RETARDED HOUSING OF CARNATIONS.—BUSINESS CHANGE.

The principal business coming before the club meeting last Tuesday evening was in relation to the nomination of officers for the ensuing year. There seemed to be little opposition, as practically the same officials now holding office were indorsed for the coming year. A. Graham Sr., for president; A. Schmitt and William Brinker, first and second vice-presidents respectively; Herman Hart, treasurer; G. H. Tilton and S. N. Pentecost for secretary and assistant secretary, about represent the choice of the members apparently. The election occurs at the next meeting, Tuesday evening, September 28.

The matter of organizing a bowling club also came up for consideration. The committee appointed to examine the alley on the west side made a report speaking favorably of the facilities and incidentally suggested the propriety of examining a ball in connection therewith that is eminently suitable for use as a meeting place instead of the present headquarters. There is an idea that some such facilities for bowling and other amusements in connection with the meetings would tend to increase the attendance. The matter was finally referred to a committee to examine the hall and report at the next meeting, when final action will be taken in regard to moving the headquarters together with a final disposition of the bowling club question.

There is a very strong sentiment in favor of such a club, and whether the change of location of the entire organization is made or not there is little doubt that there will be a bowling club at least. In any event there will be plenty of business at the next meeting and all interested in these matters will at that time have an opportunity to express their views and vote accordingly.

Business has been somewhat better of late though not remarkable in any way. C. Erhardt and A. Graham, Jr. have returned from their vacations and are once more hard at it.

The weather so far during this month has been phenomenal in point of heat and lack of rain. The thermometer has been ranging close to 90° or slightly above continuously, while stock outside is beginning to feel the need of rain. Some of the growers who are ready to get in their carnations, are unable to do so until the unfavorable conditions change.

The F. R. Williams Co. has succeeded the Williams-Wilson Co. and is carrying on the business as heretofore, Mr. Wilson having sold out his interest in the firm and retired. A.

Cincinnati.

CLUB MEETING.—MR. GIESY GETS A JOB.—MONTHLY SHOWS TO BE CONTINUED.—TO FUMIGATE THE KLONDIKE.

The regular monthly meeting of the Cincinnati Florists' Society was held September 11 and called to order by Pres. Gillett. The meeting was fairly well attended, 17 members being present. Two new members were elected and initiated. Mr. Giesy, of the Lockland Lumber Co., in his neat but forcible little speech argued on the point that our members should attend the meetings more regularly, and thereby arouse enthusiasm in our society. He was then given the most pleasant job, namely, to ask and invite those that never find time to attend, and I doubt whether anyone else would fill the position as well as he.

Mr. Giesy spoke very flatteringly about the S. A. F. convention at Providence and was especially well pleased with the treatment at Newport. It was unanimously decided to keep up our monthly shows, and the schedule for the coming year was mapped out with some changes. A committee of three was appointed to have same printed and the secretary instructed to mail a copy to each member. Outside florists wishing a copy may apply to Sec'y Wm. Murphy, Station F, Cincinnati.

Mr. Ed. Hoffmeister's clay pipe got so strong at the club that he was compelled to take up his abode near a window. He says he will take this fumigator along with him to Klondike next spring. He "won't do a thing" to those big mosquitoes there. H. SCHWÄRZ.

August Rolker & Sons.

We are pleased to be able to announce that the creditors of the firm of August Rolker & Sons, New York, have assented to the propositions of the firm and have requested that the Messrs. Rolker continue the business without having it liquidated by the assignee. Messrs. Rolker will remove to quarters down town and hope to be in running order by October 1 with a full line of goods as usual.

Milwaukee.

The warm weather the past week brought out a large supply of nearly all kinds of flowers, while on the other hand it affected the demand. The supply of select and shipping stock is short, but poor and short-stemmed stock found slow sales even at very low figures.

Improvements are being made in some of the down-town retail establishments. Messrs. Currie Bros. are putting in a new front in which stock can be displayed to good advantage. Miss McKenny is also touching up the interior of her store to keep pace with the times.

Archie Middlemas is building two new carnation houses.

Ellis & Pollworth have control of considerable glass which is well stocked with palms and ferns, and in addition to their down-town store they have acquired a near-by store for handling bulbs, etc.

A a recent meeting of the Florists' Club it was decided not to hold a chrysanthemum show, but Mr. A. Klokner volunteered to give a show under the auspices of the club, guaranteeing all premiums and taking upon himself the entire responsibility for the success or failure of the show. INCOG.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—Private, near Chicago: experienced in all branches; 15 years in present place; 32 years in the business. Address W J Box 509, Lake Geneva, Wis.

SITUATION WANTED—As assistant in commercial greenhouses in middle western states. Correspondence solicited. References and particulars given. Address A E, care American Florist.

SITUATION WANTED—As florist; 14 years' experience in all branches; age 29; German, single. Want a commercial place. First-class references. JOHN KLETTENBERG, 204 Burling St., Chicago.

SITUATION WANTED—By gardener and florist, 22 years' experience in roses, carnations, 'mums etc; two years' reference as head gardener; good decorator and designer; Sept or Nov.; age 35 married, no children. GERMAN, care Am. Florist.

SITUATION WANTED—By experienced landscape gardener and florist, private place; 22 years' experience in greenhouses, lawn, vegetables, etc.; reference as head gardener; Sept. or Oct.; first-class reference, married, no children, age 35. HOLLANDER, care Am. Florist.

SITUATION WANTED—By single Englishman to manage private or commercial place. Life experence in all branches including orchids. Well up in floral decorations of all kind. Thoroughly sober and reliable. State wages. Address DRACENA, care Jos. Breck & Sons, (Seed Dept.), Boston, Mass.

SITUATION WANTED—By German florist, married, no family; 11 years' experience in all branches. First-class designer, decorator and landscape gardener. Wife, being up-to-date in designing, could make herself useful in store. Strictly sober and honest. Good references. Iowa or Missouri preferred. F P, care American Florist, Chicago.

WANTED—Rose grower; single. Only first-class man need apply to BRANT & NOE, Forest Glen, Ill.

WANTED—Man capable of taking full charge of branch store, accustomed to first class trade. J. LOUIS LOOSE, 11th & F Sts., Washington, D. C.

WANTED—A young man, married or single; good worker, and good all round grower of general stock. Address A. PAHUD, Indianapolis, Ind.

WANTED—Man thoroughly posted in growing palms and ferns, and capable of taking charge of pm houses on large place near Chicago; send references. W S, care Am. Florist.

WANTED—A young, single man, industrious, sober, careful worker as assistant, with best chance for advancement and interest in growing business. Address LANDSAY, Birmingham, Ala.

WANTED—A first-class all round florist to take charge and grow roses, carnations, violets and a general line of bedding plants. Good on designs. Address with references, wages, etc J B, care American Florist, Chicago.

FOR SALE—Greenhouses, 3800 ft. glass, live Ill. town of 6000, doing a good business; no competition. Cheap for cash. H D, care American Florist.

FOR SALE—Nine greenhouses in northwestern Ohio well stocked with all kinds of plants for the trade; particulars and reasons for selling on application. Address W, care Am Florist.

FOR SALE—Greenhouses, 2100 ft of glass, hotbed sashes, inexhaustible well, windmill, tank, horse, wagon, tools, etc.; water heating; no competition; town of 6000; best county in Missouri. $1000 cash, balance on time. S T, care American Florist, Chicago.

FOR SALE—In Warren, R. I., 5 greenhouses, nice 6-room cottage, barn, sheds, shops, etc.; about 10 acres of good land; young orchard, shade trees and grapevines. Greenhouses and cottage heated with hot water. Windmill supplies water over the premises. Can be bought on easy terms. Apply to O. H NYE, Warren, R. I.

FOR RENT—Excellent opportunity, 10,000 ft. of glass in live city in western New York; trade good; established 25 years; rent low; houses in good repair; hot water heat; fuel cheap. Permanent, practical tenant wanted at once to arrange for fall business. Address GREENHOUSES, care Postmaster, Hornellsville, N. Y.

FOR SALE.

An old established bulb, seed and plant importing business in New York. Excellent foreign connections and an established American trade. Continued illness of proprietor only reason for selling. A rare opportunity. Address

S. E. M., care American Florist.

PALMS.

ALL HOME GROWN STOCK.

Areca Lutescens, 3½-in. pots, 15 to 20 in. high, 4 to 6 leaves, per doz. $2.00, per 100 $12.00; 5-in. pots, 24 to 30 in. high, 6 to 7 leaves, per doz. $3.00, per 100 $20.00; 6-in. pots, 3 plants in a pot, 3 feet high, per doz. $9.00 per 100 $75.00. **Phœnix reclinata,** 4-in. pots, 12 to 15 in. high, 5 to 6 leaves, per doz. $5.00, per 100 $35.00; 6-in. pots, 24 to 30 in. high, 9 to 10 leaves, per doz. $6.50, per 100 $50.00. **Phœnix canariensis,** 4-in. pots, 20 to 24 in. high, 7 to 8 leaves, per doz. $5.50, per 100 $35.00. **Kentia Belmoreana,** 3½-in. pots, 12 to 15 in. high, 3 to 4 leaves per doz. $3.50 per 100 $40.00; 6-in. pots, 24 in. high, 8 to 9 leaves, per doz. $12.00, per 100 $95.00. **Kentia Forsteriana,** 5-in. pots, 15 to 20 in. high, 4 to 6 leaves, per doz. $6.50, per 100 $50.00; 6-in. pots, 24 to 30 in. high, 5 to 6 leaves, per doz. $9.00, per 100 $75.00. **Seaforthia elegans,** 5-in. pots, 24 to 30 in. high, 5 to 6 leaves per doz. $4.50, per 100 $35.00. **Chamærops excelsa,** 3½-in. pots, 6 to 8 in. high, 6 to 7 leaves per doz. $2.00, per 100 $15.00. **Washingtonia filifera,** 2½-in. pots, per 100 $3.00. **Dracæna indivisa,** 4-in. pots, per 100 $8.00. **Pandanus utilis,** 5-in. pots, 18 to 20 in. high, per doz. $5.50, per 100 $40.00. **Latania borbonica** 6-in. pots, 18 to 24 in. high, spread 24 to 30 in., 9 to 10 leaves, per doz. $9.00, per 100 $70.00. **Ficus elastica,** 5 feet high, 50 cts. each.

Cash or Satisfactory References Must Accompany all Orders.

J. B. HEISS, 116 So. Main St., Dayton, O.

---

50 HYDRANGEA OTAKSA, 6-inch pots, for $7.50 or $2.00 per dozen.

200 VIOLETS California, 2-inch, $2 50 per 100; extra strong.

1000 CARNATIONS Rose Queen, extra fine, $5.00 per 100; $45 00 per 1000.

300 CREVILLEA ROBUSTA, 3 in., 8 to 10 inches high, fine, $3.00 per 100.

300 DRACÆNA INDIVISA, 6-inch, pot-grown, str ng 20 to 24 inches high, $20 00 per 100

ADIANTUM CUNEATUM, 3 inch, strong, $8.00 per 100.

PANDANUS UTILIS, 4-inch, $3.00 per doz.; $25.00 per 100

CERANIUM MME. BRUANT, $5.00 per 100. rooted cuttings.

FICUS ELASTICA, 5-inch, 15 to 18 inches high, $6 00 per doz.; $45 00 per 100.

FICUS ELASTICA, 6-inch, 18 to 24 inches high, $9 00 per dozen; $70 00 per 100.

☞ All stock in A No. 1 condition.

CARL HAGENBURGER, Florist,
. . . MENTOR, O.

BOILERS FOR SALE

Two No. 3, Style C, **GURNEY HOT WATER DOUBLE CROWN BOILERS,** complete, in use five seasons. Were heating 30,000 square feet of glass for palm growing. Offering for sale because we are increasing our capacity. These boilers cost $450 00 each. We offer for $200.00 each, f. o. b, Riverton, N. J.

HENRY A. DREER, 714 Chestnut Street, Phila., Pa.

PALMS. ROSES. FERNS.

17 PALMS, 3 to 4-in., of best vars., and 2 FERNS for $3.00. Per 100

MONTHLY ROSES, 2-inch $3.00; 3-inch.....$5 00

A. CUNEATUM (Maidenhair fern), 3-inch.. 5.00

4-inch $8 per 100. Clumps from bench.....12 00

Plants. Labels, Moss, Mailing and Express Boxes. Florists' and Nurserymen's Supplies.

SEND FOR OUR NEW LISTS.

WILLIAMS & SONS CO., Batavia, Ill.

Finest Stock of Field-Grown

CARNATIONS

15,000 McGowan, Rose Queen and Scott, free from rust and disease. Per 100, $4 00; per 1000, $35.00. In lots of from 3000 to 5000, $30.00 per 1000. This stock is all blooming in the field.

CASH WITH ORDER, OR C. O. D.

J. A. BUDLONG, Station X, CHICAGO.

Surplus Stock

IN FINE CONDITION.

200 Wm. Scott and 1000 Uncle John, at 5c. Clean as a whistle. No rust.

Also 4 00 field grown Roses, 15 to 20 inches, at 6c. Bride, Bridesmaid, La France, K. A. Victoria, and White La France.

JOY & SON, Nashville, Tenn.

WANTED.

Good florists to ship all kinds of **CUT FLOWERS** to be sold on Commission in Philadelphia market.

Write for information.

C. DE WILDE, 2055 Wood St., PHILADELPHIA, PA.

STOCKY, FIELD-GROWN CARNATIONS.

New and standard vars., $5.00 per 100 and upward.

GEO. HANCOCK & SON, Grand Haven, Mich.

SPECIAL SALE
Ornamental Plants

FROM

R. DREYER, Woodside, L. I.

WEDNESDAY, SEPTEMBER 22, '97, AT 10 O'CLOCK A. M., HORTICULTURAL HALL.

TERMS CASH.

500 Areca Lutescens, 3 in each pot, 30 in. high.
100 Areca Lutescens, 1 in pot, 30 in. high.
25 Specimen Plants, Kentia Belmoreana.
25 Specimen Plants, Kentia Forsteriana.
200 Kentia Forsteriana, different sizes.
200 Kentia Belmoreana, " "
10 Latania Borbonica, Specimen Plants, from 10 to 12 leaves.
200 Latania Borbonica, different sizes.
100 Livistona Rotundifolia.
25 Pandanus Veitchii, Specimen Plants.
25 Pandanus Veitchii, 20 to 35 in. high.
25 Pandanus Utilis, Specimen Plants.
200 Pandanus Utilis, 15, 18 and 20 in. high.
25 Dracæna Lindeni, Specimen Plants.

STRICTLY FIRST-CLASS STOCK.

25 Dracæna Fragrans.
100 Araucaria Excelsa, from 5 to 7 tiers.
100 Davallia Bullata or Japan Ball Fern.
100 Assorted Ferns, Choice Varieties, in 5 or 6-in. pots.
100 Adiantum Cuneatum, 6 to 8-in. pans.
1000 Dracæna indivisa, 5 and 6-in. pots, 15 to 20 in. high.
50 Cycas Revoluta, Specimen Plants.
800 Cycas Revoluta, different sizes.
100 Branched Rubbers.
500 Honeysuckles.
200 Ampelopsis Veitchii.
500 Selaginella, 3½-in. pots.

And other assorted plants.

EDWARD HATCH, Auctioneer, 22 Devonshire Street, BOSTON, MASS.

900,000 PANSY PLANTS.

MITTING'S GIANT FLOWERING transplanted plants, $1 00 per 100; $5.00 per 1000. by express only. From seed bed, 75 cts. per 100; $3.00 per 1000, by mail prepaid. When plants are ordered by express we add enough plants to pay expressage. They are up to-date both in color and size of bloom.

SEED from above strain, 50 cts. per trade packet; $4.00 per ounce; $40.00 per pound.

MORRIS FLORAL CO., Inc.,
MORRIS, ILL.

Pansies Worth Raising.

STRONG PLANTS, ready now, $4.00 per 1000, f. o. b. express here.

SEED, as usual.

CASH WITH ORDER.

C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

PANSIES.

ROEMER'S SUPERB PRIZE PANSIES.

PLANTS, strong and bushy, 65 cts. per 100 by mail.
By express.....$2 00 per 500.
By express.....$4.00 per 1000.
Cash with order.

PETER BROWN, Lancaster, Pa.

	Per 100
SMILAX—Strong 1 year	$1.50 and $2.50
CLEMATIS—Leading kinds for fall	
PÆONIAS—Herbaceous, choice asst	8 00
NARCISSUS—Double and single Poets	75
RED JACKET COOSEBERRIES—Very low prices.	
DOWNING COOSEBERRIES—1 and 2 year.	
DAISIES—Snowflake and Snowdrift	2.00
H. P. ROSES—In assortment	10.00

F. A. BALLER, Bloomington, Ill.

PRIMROSES.

	Per 100
7000 Primroses, single mixed, ready for 3-inch pots	$2.50
1200 Chrysanthemums, 20 vars., 5-inch pots	8.00
1000 Cinerarias, ready Oct. 1st	2.00
500 Carnations, field-grown	5.00
Pansy plants, per 1000 $3.50,	.60
Pansy seed, ½ oz. $2.00, oz. $3.50.	

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, O.
Mention American Florist.

NEW CROP SEED NOW READY
OF
Zirngiebel's Standard Pansies.

Silver Medal in Boston, and First Prizes everywhere.

"HUGE JEWELS OF VELVET AND GOLD."
—Boston Transcript.

GIANT MARKET and GIANT FANCY Strains, in Trade Packets at One Dollar each.

DENYS ZIRNGIEBEL, Needham, Mass.

PANSIES.

The JENNINGS STRAIN of finest American grown Pansy seed. New crop now ready. Grown from finest selected stock only. All large flowering in great variety, of most beautiful colors.

The following complimentary letter is one out of hundreds received:

BUFFALO N. Y., June 8th, 1897.

MR. E. B. JENNINGS Dear Sir:—The Pansy Seed supplied by you last August produced the finest lot of flowers I have ever seen. They were uniformly first-class. Send me one ounce of your best mixed as soon as ready. Respectfully, WM. SCOTT.

Finest mixed, per pkt. of 2500 seeds, $1.00; ½ oz $3.00; 1 oz $5 00; 3 ozs. $15.00. Pansy plants now ready, $4 00 per 1000 by express; 75 cts per 100 by mail.

Cash with order. **E. B. JENNINGS,**
Lock Box 254. **Southport, Conn.**
Grower of the finest Pansies.

Our Beautiful Pansies

are the result of fine novelties added yearly. We grow them by the 100 000; $5.00 per 10.0; 75c per 100. Larger lots, write for prices. Seed 1-16 oz 30c; 1 oz. $4 50.

Ceraniums, Coleus, Begonias, Petunias and Verbenas are 50 cts/dles embracing best late varieties. Rooted Cuttings by Nov.

D. K. HERR, Rider Ave., Lancester, Pa.



H. Wrede,
LUNEBURG, GERMANY.
PANSY SEED.

133 First Prizes, the highest awards World's Fair, and Hamburg, 1897.
1000 Seeds, finest mixed 25c.
1 oz. " " " $3 75

☞ Price List on application. Cash with order.

Pansy Plants.

READY NOW.

One on the best strains, and good plants, 75c per 100; $5.00 per 1000.

CASH WITH ORDER.

E. P. HOSTETTER, Manheim, Pa
Mention American Florist.

NOTICE.

CHICAGO, September 14, 1897.

We desire to announce to our friends and patrons in the trade that the business heretofore conducted under the name of C. W. McKellar, will on and after the 15th of September be continued under the firm name of Vaughan, McKellar & Winterson, the members of the new firm comprising A. L. Vaughan, Chas. W. McKellar and Ed. F. Winterson. Our long experience in the wholesale cut flower, seed, bulb and supply trade throughout the United States should be sufficient evidence of our ability to handle your wants in the several branches which we have hereinbefore mentioned. We respectfully solicit your kind patronage.

VAUGHAN, McKELLAR & WINTERSON.

AND STILL WE'RE IN IT!
ILLINOIS CUT FLOWER CO.
J. B. DEAMUD, Manager.
WHOLESALE COMMISSION FLORISTS,
51 WABASH AVENUE,
Prompt and Reliable. CHICAGO.

A. L. RANDALL,
Wholesale Florist,
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Agent for finest grades Waxed and Tissue Papers

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WHOLESALE
COMMISSION FLORIST,
88 WABASH AVENUE,
Consignments Solicited. CHICAGO.
Prompt attention to shipping orders.

A. G. Prince & Co.
WHOLESALE CUT FLOWERS
AND FLORISTS' SUPPLIES,
88 & 90 Wabash Avenue,
Telephone Main 3208. CHICAGO.
Prompt Attention to all Orders.

ROGERS PARK FLORAL CO.,
Wholesale Growers of
CUT FLOWERS,
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HEADQUARTERS FOR AMERICAN BEAUTIES.
Please mention American Florist.

H. L. SUNDERBRUCH CO.
WHOLESALE
COMMISSION FLORISTS,
4th and Walnut Streets,
Consignments Solicited. CINCINNATI, O.
Special attention given to shipping orders.

IT'S A MISTAKE
TO THINK
"ANY OLD THING"
will answer for a Refrigerator to keep flowers in. Those up-to-date are made by the
Chocolate Cooler Co., Grand Rapids, Mich.
SEND FOR CATALOGUE.

BRILLIANT GREEN AND BRONZE
GALAX LEAVES,
For Decorating and all Florists' Designs.
CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.
Mention American Florist.

Wholesale Markets.

Cut Flowers.

	CHICAGO Sept. 17.
Roses, Beauties, long	10.00@15.00
" " medium	6.00@10.00
" short	4.00@ 6.00
" Brides, Bridesmaid	2.00@ 3.00
" Meteors, La France	2.00@ 3.00
" Kaiserin	2.00@ 3.00
" Niphetos, Perle, Gontier	1.00@ 2.00
Carnations	40@ 1.00
Sweet peas	.10
Auratum	6.00@ 8.00
Valley	3.00@ 4.00
Gladiolus	2.00
Tuberose spikes	3.00@ 6.00
Asters	.50@ 1.00
Adiantum	.50@ .75
Smilax	10.00@15.00
Asparagus	50.00

	ST. LOUIS, Sept. 16.
Roses, Beauties	10.00@12.00
" short	2.00@ 8.00
" select stock	3.00@ 4.00
" Meteors, Kaiserin	2.00@ 3.00
" Brides, Maids	2.00@ 3.00
" Mermets, La France	2.00@ 3.00
" Perles, Wootton	1.00@ 2.00
Carnations	1.00
Asters	1.00
Tuberose stalks	2.00@ 4.00
Gladiolus	1.00@ 2.00
Smilax	10.00@12.50
Adiantum	1.00
Asparagus	25.00@50.00

SEASONABLE
FLORISTS' SUPPLIES
Immortelles and Moss Wreaths, Cycas and Calax Leaves. Fresh Cape Flowers.
Baskets, Jardinieres, Stands, Fern Dishes, also all Funeral Requisites, Doves, Inscriptions, Metal Designs, Dried and Artificial Flowers, and our Special Patent Ribbon Letters.
Ours is the largest Sheaf manufactory in the country. We give extra quality, extra weight.
Send for Catalogue. WHOLESALE ONLY.
H. BAYERSDORFER & CO.
56 N. Fourth St., PHILADELPHIA, PA.

M. RICE & CO.
Importers and Manufacturers of
FLORISTS' SUPPLIES
25 N. FOURTH STREET,
PHILADELPHIA, PA.
FALL CATALOGUE NOW READY.

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.
A complete line of Wire Designs.

MOUND CITY CUT FLOWER CO.
Wholesale Florists.
CONSIGNMENTS SOLICITED
Special attention given to shipping orders.
1322 Pine St, ST. LOUIS, MO.

WHOLESALE
CUT FLOWERS,
SUPPLIES,
SEEDS,
TOOLS,
BULBS.
FOR THE TRADE ONLY.
E. H. HUNT,
76 & 78 Wabash Ave., CHICAGO.

KENNICOTT BROS. CO.
Wholesale Cut Flowers
and FLORISTS' SUPPLIES,
88 Wabash Avenue, CHICAGO.
WIRE WORK A SPECIALTY.

WINTER & GLOVER,
Wholesale Commission Florists
19 & 21 Randolph St., CHICAGO.
Special attention paid to Shipping orders.
WRITE US FOR ILLUSTRATED CATALOGUE OF WIRE DESIGNS.

Bassett & Washburn,
Successors to J. B. DEAMUD & CO.,
GROWERS and WHOLESALE DEALERS in CUT FLOWERS,
88 Wabash Avenue,
CHICAGO.
HEADQUARTERS FOR AMERICAN BEAUTIES.

REINBERG BROS.
WHOLESALE
GROWERS OF CUT FLOWERS.
500,000 FEET OF CLASS.
We can fill all orders on short notice with all leading varieties of Roses and Carnations.
We ARE Headquarters for fine AMERICAN BEAUTIES
Give us a trial and convince yourself.
Salesroom, 51 Wabash Ave., CHICAGO.
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Consignments Solicited. CUT FLOWERS.
STANDING ORDERS, we will give special prices.
19 & 21 RANDOLPH STREET,
Fine Stock a Specialty. CHICAGO.

Boston Florist Letter Co.


This wooden box nicely stained and varnished, 18x30 x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1 1-2 or 2 inch size, per 100, $2.00
Script Letters, $4.00
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.
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WHOLESALE DEALERS IN CUT FLOWERS,
53 West 28th St., NEW YORK.

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1612 & 1614 Barker Street,
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EVERYTHING YOU WANT IN CUT FLOWERS
EDWARD REID,
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Commission DEALER IN Cut Flowers,
113 WEST 30TH STREET,
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THE BEST MARKET IN NEW YORK.

TRAENDLY & SCHENCK,
Wholesale Florists,
Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.
38 West 28th St., and Cut Flower Exchange,
Tel. 961 18th Street. NEW YORK CITY.

MISPLACED CONFIDENCE
is something the florist never suffers from, who places his FLOWER ORDERS with the old and reliable
J. K. ALLEN,
57 West 28th St., NEW YORK CITY.
Telephone 382 38th St.

JAMES M. KING,
(For ten years with E. C. Horan)
Wholesale Cut Flower COMMISSION OFFICE
at 49 West 29th St., NEW YORK.
TELEPHONE 1075 38th St.
GOOD INDUCEMENTS TO GROWERS OF FIRST-CLASS STOCK.

HEADQUARTERS in Western New York. Try us.
ROSES, CARNATIONS, and ALL KINDS OF SEASONABLE FLOWERS IN STOCK.
WM. F. KASTING, Wholesale Commission Florist.
495 Washington Street, BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire Designs.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

Wholesale Markets.

Cut Flowers.

	NEW YORK Sept. 15	
Roses, Beauty, extra	10.00@25.00	
" " medium	3.00@ 8.00	
" " culls	.50@ 1.00	
" general variety in bulk per 100	2@3	
Carnations	.25@ .75	
Valley	1.00@ 2.00	
Asters, per 100 bunches	.50	
Gladiolus	.50	
Adiantum	.50@ .75	
Smilax	6.00@10.00	
Asparagus	40.00@50.00	
	BOSTON, Sept. 15.	
Roses, Beauties	6.00@25.00	
" Gontier, Perle	1.00@ 2.00	
" Bride, Bridesmaid, Meteor	2.00@ 6.00	
Carnations	.50@ 1.00	
Valley	2.00@ 3.00	
Asters	.25@ .50	
Gladiolus	.50@ 2.00	
Tuberoses	.50	
Pink pond lilies	4.00	
Adiantum	1.00	
Smilax	10.00@12.00	
Asparagus	50.00	
	PHILADELPHIA, Sept. 15.	
Roses, Beauties	6.00@12.00	
" Brides, Maids	2.00@ 4.00	
" Meteors, La France	2.00@ 4.00	
Carnations	.50@ .75	
Valley	3.00@ 4.00	
Sweet peas	.25@ .50	
Gladiolus	2.00	
Tuberoses per 100 stalks	2.00@3.00	
Asters	.50	
Smilax	12.00@15.00	
Adiantum	.75@ 1.00	
Asparagus	35.00@50.00	

GEORGE A. SUTHERLAND,
Cut Flowers AND Florists' Supplies
WHOLESALE.
67 Bromfield St., BOSTON, MASS.

Wholesale Florists ALWAYS ON HAND. CARNATIONS, BRIDESMAIDS, BRIDES.
JOBBERS IN FLORIST'S SUPPLIES.
N. F. McCarthy & Co.
FLORISTS' VASES.
Horticultural Auctioneers.
84 HAWLEY STREET, - BOSTON.

CITY HALL FLOWER MARKET.
WELCH BROS., Props.,
15 PROVINCE ST., BOSTON, MASS.
Space assigned to growers wishing to consign goods regularly.
Space to rent to growers wishing to sell their own goods.

Asparagus Plumosus Nanus.
Strings 10 to 12 feet long,
50 CENTS.
W. H. ELLIOTT, Brighton, Mass.

Smilax Plants
from 3-inch pots, $2.50 per 100; $20.00 per 1000.
It pays to buy strong plants.
JOSEPH E. BONSALL, Salem, Ohio.

John I. Raynor,
49 WEST 28th STREET,
NEW YORK.

SPECIAL EXTRA STOCK OF AM. BEAUTY, METEOR, BRIDESMAID, BRIDE.

Record Breaking Carnations
ALL THE YEAR ROUND.

American Beauty
and all other choice Roses in unexcelled quality.
Carnations, Mignonette, Orchids and Valley.
THOS. YOUNG, Jr.,
43 W. 28TH ST., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE
FLORIST,
39 West 28th Street, NEW YORK.
Roses shipped to all points. Price list on application.

Edward C. Horan,
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WHOLESALE • FLORIST.
Careful Shipping to all parts of the country. Price list on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
Price list on application.

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John Conley & Son,
Manufacturers of
TIN FOIL
2 AND 4 DOMINICK STREET,
New York.

MacDONALD & McMANUS,
WHOLESALE FLORISTS AND DEALERS IN CUT FLOWERS,
50 W. 30th Street, NEW YORK.
Solicit shipments of Cut Flowers on Commission. Best market prices guaranteed.
TELEPHONE, 2778-38TH STREET.
Mention American Florist.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

NEW YORK, SEPTEMBER 14.—F. E. McAllister died at 6 o'clock this morning.

THE STOCK of beans carried over will likely be needed owing to reduced acreage and light yield.

VISITED CHICAGO: C. Madson, W. W. Harnden and W. A. Warner, of Ottman Lithograph Co.; Fred H. Bateman.

MALONE, N. Y.—H. V. R. Foote and D. J. Barnes, who have been conducting the seed business here together have dissolved partnership.

ONION SETS are a fairly good crop in the west. Reds and yellows now ruling in large lots, yellows and reds at $1 to $1 25, whites 25 cents higher.

MR. HOWARD EARL, returning from inspection of Nebraska seed crops for W. Atlee Burpee & Co., reports most crops later than usual, with prospects of shortage of Hubbard squash again this season.

MR. H. A. JOHNS and others have organized the Sioux City Seed and Nursery Co. at Sioux City, Ia. The Sioux City Nursery and Seed Co., by E. S. Weatherly, Mgr., is understood to have made some legal objection to the first mentioned name.

Omaha.

NO CHANGE IN BUSINESS—QUALITY OF STOCK IMPROVING—STATE FAIR PREMIUMS.

Business remains about the same as last report; funeral and wedding orders form the greater portion of the business. The quality of stock is improving but good first-class blooms are scarce. Very few carnations except those from outside; smilax cannot be had at any price.

The exhibits at the state fair this year will consist almost entirely of Omaha stock. Premiums have been cut down and out of town florists are staying at home.

Ben Haas has confined his repairs and improvements to his store alone, which has been raised to a level with the street, and a new walk in front.

J. W. Arnold has returned from his western trip hale and hearty.

A. Donaghue and son spent the fore part of the month out in the hills shooting. G. R. H.

WHITMAN, MASS.—Henry H. Barrows is insolvent. A second meeting of the creditors will be held at Plymouth on September 6.

California Sweet Pea Seed.

Fall delivery. All standard sorts, introductions of 1896, and Novelties for 1897. (Order soon, crop is short). CALIFORNIA GROWN: Aster, Balsam, Carnation Marguerite, Centaurea, Cosmos, Dianthus, Freesia, Hollyhock, Lobelia, Mignonette, Nasturtium, Petunia, Smilax, Stocks and Verbena Seed in all BEST known sorts. Clean reliable, well selected seed from Real growers. Pkt., oz. or lb. H. H. BERGER & CO., 220 Broadway, N. Y.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,

Lock Box 1528. BOSTON, MASS.

Correspondence solicited.

1840. Old Colony Nurseries. 1897.

SPECIAL OFFER OF OVER STOCK.

	Per 100
Beech, European, 5 to 6 ft.	$25 00
" " 4 to 5 ft.	15 00
" purple-leaved seedlings, 4 to 5 ft.	15 00
Berberis purpurea, 18 to 24 in.	2 00
" vulgaris, 18 to 24 in.	2 00
" Thunbergii, 12 to 18 in.	6 00
" " 6 to 10 in., 1 yr.	2 00
Elm, Ulmus Americanus, 8 to 9 ft.	15 00
Forsythia suspensa, 3 ft.	5 00
Pyrus Japonica, 3 to 4 ft., mixed.	6 00
Privet, California, 18 to 24 in., trans.	2 00
Symphoricarpus vulgaris, 15 to 18 in.	3 00
Viburnum opulus (tree cranberry), 3 to 4 ft.	6 00

	Per 100
Asclepias tuberosa	$ 2 00
Hemerocallis flava, fulva, Dumortieri.	3 00
Iris, German, 10 sorts	4 00
" Japan, 10 sorts	4 00
Liatris scariosa	5 00
Lily of Valley, sod 3 inches square (not for forcing)	3 00
Pæonies, mixed per 1000 $40,	6 00
Platycodon	5 00
Sabbatia chlorides	5 00
Yucca filamentosa, strong	8 00
Ampelopsis quinquefolia, strong	4 00
Bignonia radicans	5 00

T. R. WATSON, Plymouth, Mass.

California Grown

CALLAS

Carefully cured, with sound center shoots, now ready for shipment from our New York or Chicago stores.

SIZES and PRICE:

1½ to 1¾-inch, $6.00 per 100
1¾ to 1¾-inch, $8.00 per 100
2 to 2½-inch, $12.00 per 100

A FULL LINE OF

Fall Bulbs

For Florists' Forcing Now Arriving.

VAUGHAN'S SEED STORE, 14 Barclay St., New York.

Chicago, 84 and 86 Randolph St.

PALM Seed. FRESH ON HAND

ALL SEASONABLE VARIETIES.

Prices for select seeds quoted on application.

J. L. SCHILLER, Rutherford, N. J.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners

W. and D's. CELEBRATED "Sure Crop" Mushroom Spawn. SPECIAL quotations to LARGE buyers.

ALL KINDS OF BULBS—Lilium Harrisii, Freesias, Roman Hyacinths, Narcissus, etc., etc. Special prices on application.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., NEW YORK CITY.

Mention American Florist.

HAIL For Insurance against damage by hail, Address

JOHN G. ESLER, Sec'y, F. H. A., Saddle River, N. J.

TRADE MARK.

SUZUKI & IIDA,

No. 15 Broadway, NEW YORK. No. 3 Nakamura, YOKOHAMA.

Headquarters for Japanese Lily Bulbs, Nursery Stock, Seeds, etc., of **OUR OWN** Nurseries and Farms.

WHOLESALE ONLY. SEND FOR QUOTATIONS.



PALMS AND FERNS.

The LARGEST STOCK west of New York.

GEO. WITTBOLD, 1708 N. Halsted St., CHICAGO

Bulbs

Of any kind quoted f. o. b. at lowest rates, by

HULSEBOSCH BROS., Englewood, N. J.

HERBACEOUS PÆONIES

A large quantity—the finest to be obtained in this country or Europe.

They should be planted in Sept. and Oct. Send for trade prices *now*, as this adv. will not appear again.

Address **T. C. THURLOW,**
WEST NEWBURY, MASS.

CYPERUS ALTERNIFOLIUS.

2½-inch pots . . . . . 40 cts. per doz.; $2.50 per 100

GREVILLEA ROBUSTA.

2½-inch pots . . . . . 40 cts. per doz; $2.50 per 100

ASPARAGUS TENUISSIMUS.

3 inch pots . . . . . 50 cts. per doz.; $3.50 per 100

CALIFORNIA VIOLETS.

Field grown . . . . . $4.00 per 100

CARNATIONS.

Mapledale (new) . . . . . $8.00 per 100

Medium sized plants of the following standard varieties, $4.00 per 100: Portia Wm. Scott, Della Fox, The Stuart, and Tidal Wave.

NATHAN SMITH & SON, Adrian, Mich.

VIOLETS.

MARIE LOUISE,

Healthy stock. Good plants—never had better.

FIELD-GROWN CARNATIONS.

STANDARD VARIETIES. No disease.

400 extra good 2½-in. **SMILAX PLANTS.**

A. WASHBURN & SON, Bloomington Ill.

BOUGAINVILLEAS.

Beautiful for "cutting" or pot sale.

Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests

Send for "Commen's and Facts."

THEO. F. BECKERT, Glenfield, Pa.
9 miles below Pittsburg, Pa

VIOLETS.

California, Luxonne, Princess of Wales, Marie Louise, Campbell; fine field-grown plants, $5 00 per 100.

W. J. & M. S. VESEY, Fort Wayne, Ind.

VIOLETS. SMILAX.

Buy good, healthy stock, and make money.

VIOLETS Marie Louise, field-grown, large, and NOT A SPOT (have never been troubled with disease in this section) $4.00 per 100; $35.00 per 1000.

SMILAX from 2 and 2½-inch pots strong cut back once, $1.25 per 100; $10 00 per 1000 Cash or good references with order please. Samples by mail 10c We to for special price on large lots.

R. KILBOURN, Clinton, N. Y.

Address

Catalogues and price lists
TO
KATHERINE DAUT, Florist, Decatur, Ill.

VIOLETS Per 100
Farquhar . . . $5—$6
L. H. Campbell, California.. $4—$5
Discount of ten per cent. on large orders.
MISS P. A. BAKER, MEDIA, PA.

Decorative Plants.

ARECA BAUERI.

	Per doz.	Per 100
3-in. pots, 8-9 inches high	$2 00	$15 00
4-in. pots, 12-15 inches high	3 00	25 00
5-in. pots, 20-24 inches high	6 00	50.00

COCOS WEDDELIANA.

3-inch pots	$3 00	$20 00
4-inch pots, single stem	5 00	40 00
4-inch pots, bushy, 3 plants in a pot	5.00	40 00

KENTIA BELMOREANA.

2-in. pots	$	$12.00
3-in. pots, 8-12 in. high, 4-5 leaves	3.50	25.00
4-in. pots, 12-15 in. high, 4-6 leaves	4.50	35.00
5-in. pots, 18-20 in. high, 6-7 leaves, stocky	9.00	75.00

KENTIA FORSTERIANA.

2-in. pots	$	$10.00
3-inch pots, 12-15 inches high		15.00
4-inch pots, 15-18 inches high	4 50	35.00

LATANIA BORBONICA.

3-inch pots	$	$10.00
4-inch pots, 12-15 inches high	3.00	25.00
6-in. pots, 18-20 in. high, stocky	9.00	75.00

GEONOMA GRACILIS.

2-inch pots $15.00

PHŒNIX RECLINATA.

	Per doz.	Per 100
4-inch pots, 12-15 inches high	$3 00	$25 00
5 inch pots, 15-18 inches high	6 00	45.00

LIVISTONA HOOGENDORPII.

4-inch pots, 10-12 inches high, 7 leaves $4 50 $35 00

LIVISTONA ROTUNDIFOLIA.

5 in. pots, 10-12 in. high, 7-8 leaves, $1 each, $12 doz
6-in. pots, 12-15 inches high, 7-8 leaves, strong $1 50 each, $18.00 per dozen.

ALSOPHILA AUSTRALIS.

3-inch pots $1 50 per dozen, $10.00 per 100.

ADIANTUM CUNEATUM.

	Per 100	Per 1000
3-inch pots	$7 00	$65 00

ADIANTUM FARLEYENSE.

4-in. pots, 50c each, $6 per doz.; 5-in. pots, 75c each, $9 per doz.; 6-in. pots, $1 50 each, $18 doz.

ASPIDIUM TENSIMENSE.

3-inch pots. $8.00 $75.00

ASSORTED FERNS.

2-inch pots. $4 00 $35 00

PITCHER & MANDA,

JOHN N. MAY, Receiver. SHORT HILLS, NEW JERSEY.

When writing mention American Florist.

10,000 FIRST QUALITY FORCING ROSES.

Fully equal to those sent out the last four years, first-class in every respect. Only selected growth from flowering shoots used in propagating.

METEOR, LA FRANCE, KAISERINA, V., SUNSET,
AM. BEAUTY, 'SAFRANO, PERLE, 'GONTIER,
BRIDE, 'MERMET,
3-inch pots, $5.00 per 100. 4-inch pots, $8.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

When writing mention the American Florist.

FERNS.

We make a Specialty of small Ferns for the Fall trade.
Write for special prices on large quantities. Order early.

JOHN SCOTT,
Keap Street Greenhouses, BROOKLYN, N. Y.

ROBERT CRAIG,

Roses, Palms,
AND
Novelties in Decorative Plants
MARKET AND 49th STREETS,
PHILADELPHIA, PA.

HARDY Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

CYCLAMEN GIGANTEUM.

3-inch pots	$ .75 per doz.; $ 6.00 per 100
3½ inch pots	1 25 per doz.; 10.00 per 100
5-inch pots	2.25 per doz.; 20 00 per 100

Cash with the order please.
JNO. E. DE WALT, Box 82. Carlisle, Pa.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

BOUVARDIAS—Single pink and white; double pink and white, fine plants from open ground, $5 00 per 100.
CARNATIONS—Fine assortment, field-grown $5.00 per 100.
SMILAX—Strong, 2½-inch, $2.50 per 100; $15.00 per 1000.
VIOLETS—California and Marie Louise, field-grown, $5 00 per 100; $40 00 per 1000.
Send for Fall Trade List.

VICK & HILL CO., ROCHESTER, N. Y.

ROSES. ROSES.

Good, strong plants from 2½-inch pots.

	Per 100
BRIDES and BRIDESMAIDS, -	$2.00
PERLES and METEORS, - -	$3.00

CASH WITH ORDER.

CHAS. KOEPPEN, Sedalia, Mo.

THE FLORISTS' FERTILIZER.

Made by steam process from pure night-soil (liquid and solid matter), not adulterated with absorbents. Fully matured and combines all the necessary elements for the fertilization of the soil and nutriment of plants. Quick in action. Ground fine and pleasant to handle.

STANDARD FERTILIZER CO.,
1822 Filbert Street, PHILADELPHIA.

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

Louisville, Ky.

On August 14th Mr. Robert C. Kinkead entertained the Ky. Society of Florists at his "Cabin" near Jacob Park with a watermelon feast, and it was enjoyed very much.

The Ky. Society of Florists held their regular monthly meeting at Mr. H. Kleinstarinks' place in Clifton on September 7, and he did the correct thing for the boys.

Mr. Henry Lichtefeld has just returned home after having a jolly good time in the east. Mr. Lichtefeld's father has had quite a severe spell of sickness, but is now pronounced out of danger. Mr. Lichtefeld's stock is looking fine, especially the carnations.

Mr. T. Rudy has a very fine lot of asters, of which he is proud.

Mr. Wm. Walker's carnations are fine, and he expects to have quite a lot to cut this winter.

Nanz & Neuner have some fine Beauties, La France and Duchess of Albany.

Mr. Wm. Mann has returned from French Lick Springs.

Mr. Kunzman has returned from an eastern trip among the florists. He also took in Atlantic City where he was shooting the chutes. Mr. Kunzman has bought three acres of land which he intends to improve very soon.

FRED. HAUPT, Sec'y Ky. S. of F.

Council Bluffs, Ia.

J. F. Wilcox recently tested the heating apparatus for his new houses and found everything in perfect working order. Two of the new houses have just been planted with carnations.

McPherson & Reed are changing their plant so as to use either hot water or steam. Heretofore they have used steam exclusively.

Mr. and Mrs. Wm. Foster are rejoicing over the arrival of a bright little girl at their home the latter part of August.

G. R. H.

NEW COLEUS.—Mr. Carl Hagenburger, Mentor, O., sends us some thirty or more leaves from his new coleus, Klondike, no two of which are marked alike. The colors are yellow, red and green, in all sorts of peculiar combinations. Mr. Hagenburger writes that he can not find two leaves marked alike. The plant must be very showy.

BEVERLY, MASS.—The floral exhibition under the auspices of the Improvement Society which was held in City Hall on the afternoon of September 2 was one of the most beautiful scenes ever presented here. The decorations of the hall were specially lovely and the attendance was very large, insuring a handsome profit to the society.

ROSES.

To make room for other stock, we offer for immediate shipment, 3-inch pot plants of **BRIDES, BRIDESMAIDS, LA FRANCE** and **METEORS**, at $3.00 per 100.

MARIE LOUISE VIOLETS, strong, 2½-inch pot plants, $2.00 per 100.

I. N. KRAMER & SON,
CEDAR RAPIDS, IOWA.

ROSES. Extra fine stock, clean and healthy.

BRIDE and BRIDESMAID, from 2½-inch pots, $20.00 per 1000; $2.50 per 100.
BRIDE and BRIDESMAID, from 3½-inch pots, $35.00 per 1000; $4.00 per 100.
KAISERIN, $3.00 per 100.
SMILAX PLANTS, $1.50 per 100.
TERMS CASH.

NATIONAL PLANT CO., Dayton, O.

CARNATIONS.

50,000 strong and healthy field-grown CARNATIONS.

WM. SCOTT,
ROSE QUEEN,
TIDAL WAVE,
ALBERTINI,
NANCY HANKS,
PORTIA,
LIZZIE GILBERT,
CORSAIR,
LIZZIE McGOWAN,
STORM KING,
IVORY.

$3.00 per 100; $25 00 per 1000. No order for less than 100 accepted.

REINBERG BROS., 51 Wabash Ave., CHICAGO.

4 Acres Field-Grown Carnation Plants, 94,000.

Our carnations are grown with the greatest care. Free from disease, and packed light by our improved system of packing, by which we can send them to all parts of the United States and Canada in perfect condition.

CRIMSON SPORT	IVORY	JUBILEE	DEAN HOLE
BUTTERCUP	DELLA FOX $1.50 per dozen.	AMAZINDY $8.00 per hundred.	
BRIDESMAID	MME. DIAZ ALBERTINI	CHESTER PRIDE	DAYBREAK
	BRIDE OF EARLESCOURT $1.25 per dozen.	$6.00 per hundred.	
SWEETBRIER	L. L. LAMBORN	CARFIELD	WM. SCOTT
PORTIA	SILVER SPRAY	GRACE WILDER	TIDAL WAVE
MRS. CARNEGIE	LIZZIE McGOWAN $1.00 per dozen.	PURITAN $3.00 per hundred.	ROSALIND $8.00 per thousand.

J. L. DILLON, BLOOMSBURG, PA.

ROSES—Clean, strong and carefully grown. Delivered free to New York or Philadelphia.
AMERICAN BEAUTY, 3½-inch $8, 4-inch $12 per 100. **BRIDESMAID, PERLE, METEOR, KAISERIN, BRIDE, LA FRANCE,** 3½-inch $5.00, 4-inch $6.00 per 100. Special rates on quantities.
SMILAX, $1.00 per 100. ASPARAGUS PLUMOSUS. CALIFORNIA VIOLETS.
A. S. MacBEAN, Lakewood, N. J.

Field Grown CARNATIONS

Good and healthy stock, $5.00 per 100; $45.00 per 1000 Cash with order.

500 Albertini,	500 Storm King,
1500 Alaska,	200 Triumph,
500 Craig, extra fine,	500 Tidal Wave,
500 Peachblow,	500 Della Fox,
1000 Scotts,	1000 Fisher, extra,
1500 Rose Queen, extra,	200 Bridesmaid,
300 Meteor,	500 Eldorado,
1000 Daybreak,	300 McGowan.

E. HIPPARD,
YOUNGSTOWN, O.

VIOLETS

Marie Louise, and California.

Strong, well established, clean, healthy plants, from 4-inch pots, at $4.00 per 100. Field-grown clumps of California at $5.00 per 100.

Carnations.

Daybreak, Silver Spray, Rose Queen, Garfield and Portia.

Clean, healthy, field-grown stock, at $4 per 100. Samples mailed on receipt of 10c to cover postage.

L. L. MAY & CO., St. Paul, Minn.

Surplus Carnations.

I have **2000 CARNATIONS**, field-grown, at $4.00 per 100, in the following varieties:

200 Tidal Wave	200 Wm. Scott
200 Daybreak	200 Meteor
100 Bridesmaid	400 Minnie Cook
300 Rose Queen	400 McCowan

SEND FOR SAMPLES.

W. A. WETTLIN, Hornellsville, N. Y.

ASPARAGUS PLUMOSUS PLANTS.

3-inch.....$8.00 per hundred.
4-inch.....10 00 per hundred.

FIELD-GROWN CARNATION PLANTS.

Portia, Hector, McGowan, T. Cartledge, Daybreak, Fisher, 4000 Alaska, $5.00 per 100. CASH WITH ORDER.

F. BURKI, Bellevue, Pa.

When writing mention the American Florist.

Always mention the American Florist when writing to advertisers.

Field-Grown

CARNATION

MAYOR PINGREE,

$10.00 Per 100.

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3000 McGowan, 2000 Scotts.

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We do not claim to have everything; but we do claim to have the finest stock of **CATTLEYAS.** Just what the American Florists want.

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Single Violets.

	Per Doz.	Per 100
Princess de Galles	$1.00	$7.00
Princess Beatrice (new)	1.00	7.00
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IMPORTANT NOTICE:—All plants are healthy, not diseased nor degenerated; each kind true to name. All stock grown in cold frames without artificial heat of any kind.

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STANDARD VARIETIES, 1st size,	$7.00
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Perles, Kaiserins, and Brides.
Strong plants. Will close out cheap.
EXTRA STRONG 2-INCH SMILAX, at $15 per thousand.
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SMILAX, fine plants at $1.25 per 100, $10.00 per 1000. Sample for 10 cts.
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2000 McGOWAN,
1000 ARMAZINDY,
700 ABUNDANCE,
500 PORTIA,
300 ALASKA,
500 CARTLEDGE,
} 5c. EACH.

3000 TRIUMPH, the best pink in every particular I ever grew, at $7.50 per hundred.
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750 BRIDES, 600 MAIDS, 750 METEORS, 125 PERLES; in 3½-in. pots at $5.50 per 100.
Elegant clean stock. If you are in want of any speak quick.

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FREE FROM DISEASE.
IVORY, best white, SCOTT, "MURILLA", ROSE QUEEN, DAYBREAK and PIERSON.
Write for prices.
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FOR SALE OR EXCHANGE.
Strong, healthy, field-grown
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Lizzie McGowan, Portia, Princess Bonnie Eldorado, Tidal Wave, Orient, Dr. Warder, Aurora and Grace Wilder. Any of above $3.50 per 100, or $30.00 per 1000. Or will exchange for Violets, Primula Obconica and small Ferns.
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Florida Hot Water Boiler No. "H", for sale cheap.
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LARGE FIELD-GROWN PLANTS.

MAYOR PINCREE, MORELLO, MAUD DEAN, LILY DEAN, HARRISON'S WHITE,	Per doz. $1.50, Per 100 $10.00
JUBILEE	Per 100 $8.00
DELLA FOX, DAYBREAK, ELDORADO, EMILY PIERSON, IVORY,	
LIZZIE McCOWAN, MINNIE COOK, PORTIA, ROSE QUEEN, SILVER SPRAY, TIDAL WAVE, WM. SCOTT,	Per 100 $6.00, Per 1000 $50.00

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Growing in 3-inch pots, at $10.00 per 100.
Quantity limited.
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Field-grown, at $1.50 per dozen; $10.00 per hundred.

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CARNATIONS. Strong, field-grown, healthy stock.
Wm. Scott, Tidal Wave, Edna Craig, Rose Queen, McGowan, Mrs. Fisher, Hinze's White, Portia, E. G. Hill, Emily Pierson, $4 per 100; in orders of 500 to 1000, $30.
Swainsona alba, strong 4-inch pots, $1.50 per doz.
Roses extra strong, Perle and Bridesmaid, 3-in. pots $5 per 100. Bride, Bridesmaid, Perle, Sunset, Niphetos, Wootton, Siebrecht and Morgan, fine, strong, healthy plants from 2½-inch pots, $3 per 100.
I will exchange for Dbl. Violets and H. P. Roses.
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Rochester, N. Y.

TEMPERATURE IN THE NINETIES—TRADE DROPPING OFF IN CONSEQUENCE.—WEATHER STOPS HOUSING OF CARNATIONS.—A PICNIC AND CLAMBAKE.

For several days during the past week the thermometer jumped up into the nineties. The heat was extremely uncomfortable for everybody and the sales in cut flowers dropped off suddenly. The week may be set down as a very dull one for all the florists, the demand being decidedly below that of former weeks; excepting a little funeral work now and then, there was hardly anything to do for our retailers. Flowers of all kinds were plenty, quality improving, especially in roses. Carnations are scarce yet in the market, but with so much outdoor stuff the deficiency in the supply is not felt very badly. The hot and dry spell has stopped the growers from housing any more carnations for the present; they are waiting for cooler days, but those already planted in the benches have not apparently suffered yet; most of the early plantings have taken hold in the soil and are growing now in their new quarters. Where violets have been housed early they are now setting buds fast, but the few flowers which open out have suffered from the heat and are small and feeble.

The annual picnic and clambake of the Rochester florists was enjoyed immensely by all participants. In spite of the extremely hot day they were out in full force; gardeners, seedsmen, nurserymen, and all were represented in the jolly crowd. They were out for a good time and they had it in the full sense of the word, keeping it up until late in the night. The prizes for the various contests were awarded as follows: Dick Salter took the prize for the best story, an automatic fishing reel; the yarn will hardly bear repeating here, it is too long, but jovial Dick is willing at any time to recite it over again, perhaps with a few variations appropriate to the surroundings. In pitching quoits the first prize went to E. H. Vick and Charlie Vick; the second was captured by Jenny and Gilmore; both prizes were boxes of cigars. In the shooting contest Mike Barry received first, a silver mounted cane, E. H. Vick got second, a case of old rye, and John Vick third, a barrel of flour. The fat mens' race was won by Fred Schlegel, who got off with a case of beer, and Al. Salter was unanimously proclaimed the best foot ball player, for which he was rewarded with a handsome fur rug. K.

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ARECA LUTESCENS.

		DOZ.	HUN.
3½-in. pots, bushy, 12 to 15 in. high		$3.00	$20.00
4 " " 18 to 20 in. high		4.00	30.00
5 " " 20 to 22 in. high		6.00	50.00
8-9 " " 3 to 5 ft., $4, $5 & $6 each.			

COCOS WEDDELLIANA.

2½-in. pots, extra fine, 5 to 6 leaves		2.00	15.00
3 " " strong		2.50	20.00
3 " " very strong selected		3.50	25.00
3½ " "		4.00	

KENTIA BELMOREANA.

	EACH	DOZ.
5 in. pots, extra strong, bushy, 5 to 6 leaves		
18 to 20 in. high	$ .75	$8.00
6 in. pots, heavy, 2 to 2½ ft. high	1.50	18.00
7 in. pots, heavy, 2 to 2½ ft. high	2.00	24.00
8 in. pots, 36 to 40 in., decorative size	$3.50 to $5.00	each.

KENTIA FORSTERIANA.

		DOZ.	HUN.
5 in. pots, 12 to 15 in. high		$2.00	$15.00
4 " 15 to 18 "		4.50	35.00
6 " 2 to 2½ ft. high	$1.25 each.		
7 " 2 to 2½ "	$2.00 to $2.50		

LATANIA BORBONICA.

5-in. pots, 2 ft. specimens	$15.00 per doz.
6 " perfect specimens, 7 9 leaves	18.00 "
7 " " 8-9 "	$2.00-$2.50 each

LIVISTONA ROTUNDIFOLIA.

4-in. pot, 10 to 12 in. high	$1.25 each; $15.00 per doz.
5 " 12 to 15 "	$1.50 each; $18.00 per doz.

PHŒNIX RECLINATA.

6 in. pots, 15 to 18 in. high.....$1.00 each; $10.00 per doz.

DRACÆNAS (in variety).

Without doubt or exception we have the grandest lot in the country. Open for inspection.

5-in. pots	$4.00 per doz.	
5 "	6.00 "	(colored and coloring)
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FICUS ELASTICA.

	EACH	HUN.
4-in. pots, fine strong plants	$0.35	$20.00
6 " strong plants, 2 ft. high	.50	50.00
7 " " 2½ to 3 ft. high	.75	75.00

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2½-in. pots in 5 varieties.....$3.50 per 100; $30.00 per 1000

Nephrolepis cordata compacta. The largest stock of this grand variety

3-in. pots, fine stock		$15.00 per 100
6 " fine specimens, 15-18 in. high		$4 doz.; $35 100

Pteris Umbrosa Gigantea.

4-in. pots	$35.00 per 100
5 "	5.00 per doz
6 " bushy	.65 each.

All measurements taken from top of pots. The above is a brief list of our specialties. WRITE, TELEGRAPH or TELEPHONE US, and our carriage will MEET YOU. Address all communications to the Nurseries.

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PALMS AND FERNS.

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Large and fine stock always on hand.

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Best workmanship; lowest prices.

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Rose Queen, Silver Spray,
Daybreak, Portia.
Fine, stocky, field-grown plants.

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A few thousand Smilax, good strong plants in 2½-inch pots.

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Marie Louise, clean, healthy plants. Write for prices.

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2½-inch, $2.50 per 100; $20 00 per 1000.

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PRIMULA, transplanted seedlings, from flats $1.50 per 100.

FERNS, 3-inch pots.....$5.00 per 100

CARNATIONS, Field grown Lizzie McGowan and Scott. Write for prices.

VIOLETS, Marie Louise, strong field grown. Write for prices.

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GERANIUMS, Rooted cuttings.....$1.50 per 100, $12 00 per 1000

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SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
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SMILAX.
VIOLETS.

Prices low. Send for list.

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Ready for re-potting into 4-inch pots. The finest large-flowering dwarf varieties. Per 100, $3.50
PRIMULA OBCONICA, strong for 3-inch pots, $3.00 per 100. **CYCLAMEN GIGANTEUM,** 5-6in. bulbs, large leaves, $5.00 per 100. Extras added to part pay expressage.
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The New **BUCKEYE STRAIN CONTAINS** many new and beautiful colors. Try a trade packet, only 50c.; or an ounce only $2.50.
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In Large Assortment and of Superior Quality.
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Worcester, Mass.

TRADE INCREASING SLOWLY. — SUPPLY AMPLE — A FINE SHOW OF SUMMER FLOWERS — CARNATIONS LIFTING WELL. — WEATHER VERY HOT.

Trade is increasing slowly and the supply of flowers is fully equal to the demand. Good asters are plentiful, mostly Semple's, and sell as well as anything. A few good carnations are being cut now, also a few roses from newly planted stock. Lange is cutting fine Kaiserins and Hostes. Trade in palms and ferns is starting along moderately in the smaller sizes, nephrolepsis going as well as usual and probably will sell even better than last season.

The horticultural exhibition September 9 taxed the utmost capacity of our spacious hall and a fine showing of summer flowers was made, especially in dahlias and gladioli. Lange showed some good pots of adiantum in six varieties and some fine cattleya spikes.

Notwithstanding the wretched season we experienced carnations are lifting well and of fairly good size, although some growers who planted on low land lost a very large percentage. According to the outlook now there will be a shortage in white. The weather has been very hot this last week and has delayed us considerably in housing our carnations.

Chrysanthemums are looking very fine and more than ever have been benched, the increase being mostly in the earlier varieties. Violets have done fairly well in some sections and not so well in others but in all probability more plants will be benched than last year. Repairing is occupying a good deal of time just now, as usual, and you never know how much there is until you get at it. We need rain for the first time this summer. A. H. L.

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W. Brookfield, Mass.—Wass & Brown, three commercial houses each 50 feet in length.

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So. Braintree, Mass., M. L. Belcher, one commercial house.

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No. Easton, Mass., J. H. Leach & Son, one commercial house.

EDWARDSVILLE, ILL.—J. F. Ammann has just completed a three-quarter span rose house 22x125. This addition gives him a total of 12,000 feet of glass.



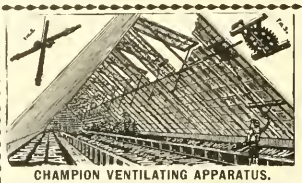
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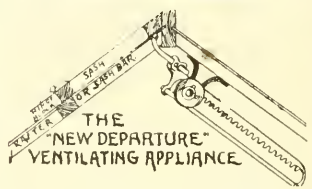
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STANDARD FLOWER POTS
Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.
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FLOWER POTS, BULB PANS, HANGING BASKETS AND SAUCERS
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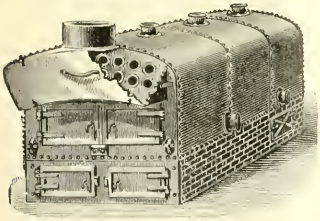
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Kill the Bugs! AND SAVE THE BLOOMS
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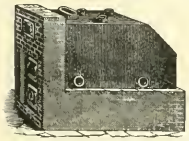
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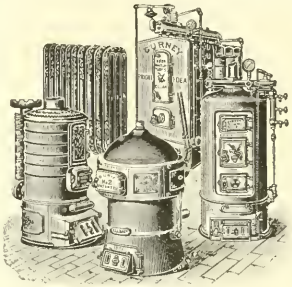
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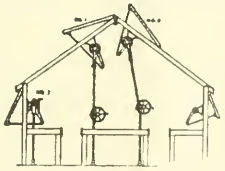


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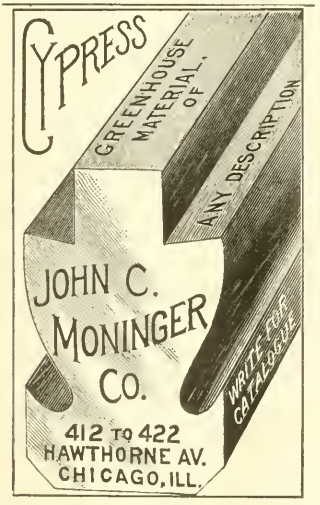
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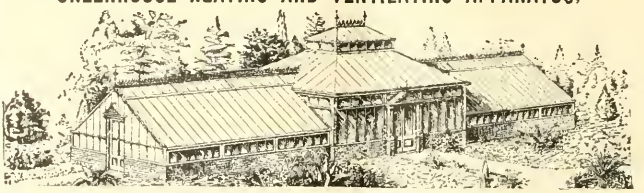
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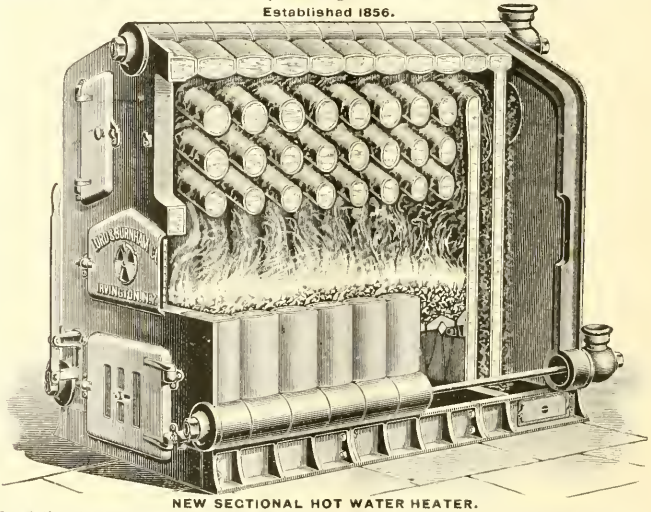
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Vol. XIII. **CHICAGO AND NEW YORK, SEPTEMBER 25, 1897.** **No. 486**

THE AMERICAN FLORIST

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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OFFICERS-ELECT (To be installed Jan. 1, 1898)—Wm. F. Gude, Washington, D. C., president; A. Donaghue, Omaha, Neb., vice-president; secretary and treasurer as before.

The fourteenth annual meeting will be held at Omaha, Neb., August, 1898.

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NEW BEDFORD, MASS.—Jahn Bros. have purchased the store of A. B. Hathaway at 60 Pleasant street. J. H. Cleary has been retained as manager.

THE U. S. Department of Agriculture at Washington has issued Farmers' Bulletin No. 58, which treats of "The soy bean as a forage crop." The subject is very fully covered and there are several illustrations. A copy can be had free on application to the Secretary of Agriculture, Washington, D. C.



Carnation Notes.

We have had rather strange weather for the last two or three weeks. For two weeks the thermometer hovered near 100° in the shade every day, but the nights were comparatively cool. On September 16 we had a three minutes rain, enough to lay the dust for a few hours, but not enough to break the drought of nearly eight weeks duration. This was followed up with three nights light frost. The hot spell is broken, but not yet the drought. With the carnation grower the natural question arises: what effect has such weather on the carnation plants. I have come more than ever to the conclusion that I would rather contend with dry weather than with too much rain.

Much can be done to counteract a dry season without resorting to watering, which I condemn unless the most direct necessity, by a system of cultivation to keep the top soil loose and mellow; but what can we do in time of too much rain? Wherever we touch a thing it is harmful. The water soaked earth is of less consequence than the great humidity in the atmosphere, a condition which all diseases that the carnation is heir to find most congenial. Such a condition existed last year shortly before planting time, and I had my hands full fighting spot and other diseases. This year after a dry season and lately very dry and hot weather I find my plants not quite so large but still large enough, and in a much more healthy condition. There is no sign of spot and very little bacteria, and undoubtedly it has the same effect on rust.

It is wonderful how much dryness a carnation plant can stand, and how beneficial a dry atmosphere is to its health, while a moisture laden one carries disease. The plants will not make such a rapid growth, but it has a tendency to mature them and force them into bloom. I am astonished to see among my seedlings varieties that were very late to bloom last year, budding out in the field with great freedom. This all shows plain enough under what conditions plants remain the healthiest and how we can profit by it in our culture under glass.

Under glass, where it is in our power to avoid the extremes we so often have to contend with in the outdoor culture, we can bring conditions favorable for their growth more in conjunction with each other. We can supply moisture to the soil without giving much to the atmosphere. If the atmosphere is too humid, ventilation, and if advisable a little fire heat, will soon disperse the moisture and make the air lighter. We learn from the field culture that a dry atmosphere will keep the plants healthy, and a moist soil will make them grow. Now we can combine this readily in the house, a condition we do not always enjoy in the field.

As soon as our plants are fully established on the benches we cease watering overhead, and try to keep the foliage dry by only watering the soil; the evaporation from the soil supplies more than enough moisture to the air, and consequently to the leaves. There is absolutely no necessity for syringing. This is a theme I have often harped on, but I believe it bears mentioning again, for in my opinion much trouble can be avoided by following this advice. If we could as readily control light and sunshine as we can temperature, moisture, and airiness, our winter culture would be perfection, but we can only turn to the best advantage what we receive by the location and style of houses.

I repeat again, now is the time when much disease and trouble can be averted by thoroughly cleaning the plants when brought from the field and on the bench as long as they are small and can be easily looked over. There may be a leaf affected with spot that when removed and destroyed may leave the plant entirely clean, and prevent further spread for we must not forget that the houses when just planted, and kept moist and shaded, are in just the right condition to spread a disease very rapidly. It is the same with rust; that in the field, especially in dry weather, finds little encouragement to grow, and when well cleaned of the affected leaves, and all fresh outbreaks removed as long as the plant can easily be looked over, the disease, even if not fully eradicated, can at least be considerably checked and much annoyance averted. Vigilance and carefulness exercised now will do more good than all the spraying and application of fungicides afterwards. FRED. DORNER.

Wood Lice on Carnations.

Replying to T. Davis, Ill., who requests me to furnish the formula for destroying wood lice with Paris green, would say that we simply take a quantity of ordinary sugar, as much as we may require at the time, and mix through it thoroughly sufficient dry Paris green to color every particle. I have never measured it, but I think an ordinary 25-cent box of Paris green, such as is retailed by all country grocers, would be enough for 10 pounds of sugar, and this latter would be sufficient to distribute through 100,000 feet of glass. We take and sprinkle a little on the side boards of all the benches late in the afternoon, and as a rule two doses will clean out the wood lice entirely. ROBT. SIMPSON.



Black Spot on Beauty.

Please let me know a remedy for black spot on American Beauty. K. N.

Practically all experienced growers agree that it is much easier and far better to prevent black spot on roses than to cure it once it has a foothold. It is generally conceded that its presence is the direct result of improper treatment, and especially of unsuitable atmospheric conditions. In combating any disease whether of the animal or vegetable kingdom it is essential as far as possible to understand the cause and origin as well as the nature of the disease itself, after which a remedy very often suggests itself. I have found that poor judgment in watering, sometimes having the benches too dry, and at other times entirely too wet, turning on the hose every morning regardless of the condition of the weather, with the result that the foliage is sometimes wet for 24 hours; lack of perfect ventilation which means a thorough circulation of air through the houses every day; a cold, damp heavy and stagnant atmosphere at night; a poor roof which lets in water everytime it rains, and a poorly drained floor, are all prolific causes of mildew and black spot.

Granted that the above is correct our first efforts in fighting the disease, whether by way of prevention or cure, should be in the direction of removing the cause; so I would suggest to K. N. that he maintain a little fire heat every night from now on (unless very warm), leave the ventilators slightly ajar to keep the air sweet and pure, syringe the foliage only on bright days early in the day, and not oftener than twice or three times a week, keep the soil in an even moist state, in watering avoid wetting the floor as much as possible, give as much air during the day as weather conditions will permit, if the roof is leaky repair it without delay, and in addition go over the plants once a week, pick off the spotted foliage and burn it, and stir the surface of the soil. A clean house and pure air are the best antidote for black spot.

In case the disease has become very bad I would suggest a weekly spraying with the solution of ammonia and carbonate of copper. The formula I have adopted for mixing the solution is as follows: To 3 ounces of pulverized copper pour water sufficient to form a thin paste, then add one quart of ammonia (strength fifi). After standing 12 hours the copper will be dissolved when it is ready for use; one-quarter pint to three gallons of water is the proper strength. ROB'T SIMPSON.

Miscellaneous Seasonable Hints.

There is scarcely a month of the whole year when good gardening is more needed than just now. There are the roses to be kept clear of mildew, the 'mums to be continually worked at, bulbs to be boxed, cuttings of all kinds to be put in, and above all a judicious and sensible use of the fire, and the greatest attention to ventilation. When real winter comes it is a sort of routine work, but now and for weeks to come it is a tax on your intelligence. Frosts have made their appearance in many parts of the country and in some localities at least 1,500 miles south of Dawson City.

EARLY TULIPS AND VON SION.

If you desire early tulips and Von Sion, you should box a third of your lot as soon as received. Any old soil is good enough to grow tulips and hyacinths, providing it is not too heavy; a light loam is better in every way. I often notice tulips planted in a flat 3 or 4 inches apart; if these people forced many thousands they would soon find out that they could not afford to do that; you can put the bulbs almost touching and the flowers will be just as fine. A box 2 feet long, 12 inches broad and 3 inches deep will hold 72 La Reine or Yellow Prince, and about 50 Von Sion narcissus. Water thoroughly and place out of doors. I like to put a few strips of wood on the ground under the boxes and after the water is soaked into the soil throw over the surface a very thin covering of the buckwheat husks, only enough to hide the soil; this is done so that the 2 or 3 inches of soil with which you cover the boxes will break away clean from the soil in the flats. If you cover with tan bark or sawdust this thin covering of buckwheat would be entirely unnecessary. Two, or at least three, inches of soil is covering enough till very severe weather comes. When hard freezing approaches cover the beds with 6 or 7 inches of straw manure. I usually make the beds of bulbs, or rather boxes of bulbs, 6 feet wide, and the beds 6 feet apart, and digging out 4 or 5 inches of earth between beds is just covering enough for the bulbs.

WATERING BULBS.

The question is often asked about watering bulbs outside. Now any person of reasonable intelligence should solve this question himself. If three inches of earth in a box is well saturated and then covered with three inches of dry earth you know that it will keep moist for a long time, and more likely because it is the months of October and November, when rains are expected and the solar rays are not so "extracting." But if we don't get a good rain once a week then the beds had better be soaked occasionally. If too dry the root growth will be slow. To finish this chapter on bulbs let me say that you will have no success with forcing tulips, etc., if they are not well rooted, so get some in the boxes at once.

DUTCH HYACINTHS.

Dutch hyacinths for growing in pots I prefer to place in a frame so that in addition to the covering of soil and litter I can cover with glass or boards. We are certain that freezing does not hurt them because they are planted in the open ground for spring display and are frozen tight for many weeks during winter, but if allowed to freeze in a 4-inch pot you are very likely to lose a great many pots and have a most awkward job when bringing in a hundred for your week's supply.

TULIPS FOR FORCING.

Simply for the benefit of the beginners I will say that the tulips which force best, give fine flowers, and can be purchased at reasonable cost, are La Reine, white, and under certain treatment a most lovely pink; Pottebaker, white, very fine but much more expensive; Yellow Prince, the finest of yellow tulips; Chrysolora, a fine rich yellow and with me proved a rather better forcer for the first crop than Yellow Prince. Duc Van Thol is doubtless the earliest of all but when forced for Christmas they are poor little things and people can get along without them; Vermillion Brilliant is the earliest of all scarlet or red tulips and a most handsome flower but not cheap in price, yet it is the one to grow; for a later scarlet, Waterloo, more often known as La Belle Alliance, is good enough, but not nearly so beautiful either in form or color as Vermillion Brilliant.

For an early pink, La Reine, which is classed as a white but assumes a lovely pink if put into a cold house after being fully developed, will fill the bill, and later you can bring in Rose Grisdelin, a true pink. Cottage Maid is the best of all pinks, but expensive, and too often the bulbs supplied will throw no flowers. Kaizer Kroon, the showy red and yellow, should be grown sparingly; it is a grand tulip for a flower bed but drops its petals too quickly when forced under glass. Joost Van Vondel is a fine large striped flower, but mixed colors in tulips don't go. Of all the double tulips there is none of so much value to the florist as Murillo, which the Dutchmen call a pink; it has a faint tinge of pink but is nearer a white. It is of wonderful excellence and a big lot should always be planted, for it is the best of all for Easter. Don't try to get tulips in for Christmas; if you have them by end of January they will be good and sell, but get them all boxed at once.

RUST ON CHRYSANTHEMUMS.

I am sorry to say that the chrysanthemum rust has made its appearance in our locality. Golden Wedding, H. W. Reiman and Yellow Queen are showing it worst. From the way it has struck us this year I can attribute no cause for it, for it has appeared under very different conditions; to say it is shade or want of ventilation won't go this year. From an excellent authority I am told that last year a bench of plants which were attacked with the rust were saved by the use of Bordeaux mixture in the liquid form. You cannot save the leaves that are already rusted, or rather you cannot bring them back to health, but if you can stop the fungus from spreading you will be well rewarded.

MISCELLANEOUS PLANTS.

It is time now that your earliest Bermuda lilies were in the greenhouse. Give them a good light bench where you have some fire heat cool nights and you will have them in flower by December 1. Don't get caught with a frost. Cyclamens, cinerarias and other plants in cold frames should be covered with glass on cool nights or whenever there is any danger of frost. Calla lilies should be indoors in a warm light house. Stevia serratifolia, which we still grow, should be kept out as late as possible but in such shape that you could rush them in at any time.

There is no excuse for your being without stock of all common bedding plants now, for a few cuttings of each should be in the sand. Of some you need but few, of others more, and some are better treated by lifting a few old plants, lobelia, ageratum and salvia among the latter; they propagate so fast that a few old plants lifted and kept till the new year will give you all the stock you can take care of. You can lift and pot Hydrangea Otaksa at once but keep them out of doors; a few degrees of frost will do them good; it will ripen the wood and better prepare them for forcing; unless a heavy frost comes suddenly they are better out of doors till November 1. WM. SCOTT.



ANNUAL DINNER OF THE NEW YORK GARDENERS' SOCIETY AT GRAND CENTRAL PALACE, NEW YORK, SEPT. 10.

Water Lily Flowers.

We have a nice collection of water lilies and would like to use some of them in floral designs, but they close up so quickly they are not available. We have heard that the petals can be bent or broken back so that they will not close again but we don't get the right way of it. How is it done? J.

The cut flowers of water lilies open and close periodically. How to prevent them from closing after once open has occupied the attention of florists in this and other countries with varied results. Chemical, electrical and thermal mediums have been used to obtain the desired result. Mr. Geo. Harster, of Speyer, Germany, claims to have solved the problem, and as long ago as November 11, 1893, applied for a patent in the United States, which was allowed February 17, 1894, for "a method or process for preventing the closing of cut flowers of the order nymphæacea". By this process Mr. Harster claims that the flowers are not only kept open but retain their form, color and fragrance, are in no way spoi'ed, that they can be used as the most prominent flowers in any wreath or set piece and will last from five to eight days, and even a fortnight in winter. He compares the process to the local influence of cocaine, which as we all know makes parts of the body entirely insensible to any irritation; he does not say it is cocaine but a certain metallic solution that is introduced into the flower. It is said to be very simple and easily applied.

We have endeavored to secure a sample for trial and samples have been promised but they never materialized. Mr. Harster is anxious to sell this patent, or the right to use the same in America, and I have no doubt if any person exhibited a willingness to purchase this patent for the United States he might secure the same for himself exclusively. Whether this is feasible or not I must leave to Mr. J.

What is enough to make one feel chagrined over is the fact that a foreigner has closed the door to the home market by the above patent referred to.

WM. TRICKER.

Mealy Bug Again.

From Mankato, Minn., comes the question: "Would you please inform us how to kill mealy bug. We have them on "umbrella plants."

By umbrella plant is doubtless meant cyperus. As this plant will stand any amount of syringing they can be laid down on the path and given a thorough application of the hose. Most all stock can and should be kept clean of mealy bug by sensible use of the hose. If on palms, cycads or other valuable plants and too great a crop to be dislodged by syringing, use fir tree oil; it can be purchased of all seed houses with directions for use and is sure death to the bugs; or kerosene emulsion will answer as well.

WM. SCOTT.

Flea-Like Thrip.

From "M. W." comes the following: "Can you tell me what will destroy the flea-like thrip which are spoken of under carnation notes in the FLORIST of September 4. They are on my smilax and would like to know how to get rid of them."

Most likely when thrip was spoken of by Mr. Dorner it was not thrip at all that was meant. It is possible that thrip may infest carnations but I have never seen it. There is a small, very minute, lively little creature that troubles carnations in the field in dry seasons. I only know it under the name of the "Carnation twitter." Some 20 years ago it almost destroyed a large lot of Edwardsii carnations but when cooler weather and rains came it disappeared. This twitter is I believe quite distinct from thrip.

Thrip troubles many plants of a widely different nature. It is bad on asters under glass in the hot months and as is well known is very troublesome to azaleas. It delights in a hot dry climate. If you will keep the smilax well syringed twice a day the thrip will make little headway, and on the next crop won't appear if syringing isn't neglected. Don't stand off six feet with your back up against the wall or bench and let the water fall on the smilax as if you were putting out the last embers of an election fire, but get your "hose hand" away at the bottom and remember it is on the under side of the leaf that all these pests have their good time. WM. SCOTT.

Tempering Water.

Could we warm our water for syringing by turning a steam jet into the main from the same boiler used for pumping? Or would we have to have the steam from another boiler with more force than the one used to run the pump? Would the plan force too much air into the water? J.

Replying to your correspondent J. would say that I am inclined to think he would find a steam jet inserted into the water main which is to supply his house with the same, troublesome. I rather think he would have a difficulty in keeping an even temperature in the water, unless he is absolutely sure he can control a steady jet of steam flowing into the water. If the boiler which is to supply his steam pump is capable of keeping up sufficient steam to admit of his inserting a jet of steam into the water main, I do not think there would be any difficulty in doing it that way, but my impression is

that he had better have a considerably larger pipe, say 10 or 15 feet either side of where the steam jet enters the same; this will allow some for expansion. A pressure of 10 or 12 pounds of steam would probably give him all that would be necessary to force a small jet of steam into the water, providing he does not use a very high pressure on his pump, but, I would suppose that he would require about the same pressure to force the steam into the water as he would to force the pump in action. Without knowing the pressure of steam he uses on his force pump, I am unable to give him clear figures but I would advise him to use only a very small jet of steam, otherwise he may get the water considerably too warm. A quarter-inch jet of steam would raise the temperature of his water all that would be necessary, providing the same can be kept steady.

JOHN N. MAY.

New York.

PLENTY OF FLOWERS BUT NO BUYERS.—WAITING FOR COOLER WEATHER.—BULB ORDERS HEAVY.—DAMAGES FOR ANTON SCHNELL — AMERICAN INSTITUTE FAIR NEXT WEEK.—W. C. WILSON ILL.

Business remains stationary. Large quantities of flowers are being loaded on the market every morning and the only way they can be unloaded is in bulk at thousand rates which are about the same figure as quoted by hundreds. A hundred roses for two dollars or a thousand for two dollars, according to the way one buys. It is all the same in the end for the grower as there is only about so much money spent anyhow, and there are ten times as many flowers as are wanted at any price. Much of the rose stock is yet small, showing that it has been cut from young plants and that it would have been better left on the plants, as per Robert Simpson's advice in a recent article. Asters are beginning to wane and will leave a good and profitable field for the carnation men for a while. Violets are showing up all around and while they are of the usual inferior quality of first crop flowers yet there are indications that they are wanted and fair returns may be expected. Every one is waiting with all possible patience for cooler weather and hoping that this when it comes, will inaugurate a welcome revival all along the line.

Dealers report heavy bulb orders, notwithstanding duty, which would seem to indicate that bulb forcing will be carried on about as usual this coming season. The duty means a heavy drain on the dealers' bank accounts, and the extra cash outlay makes extra watchfulness necessary in accepting and filling orders for these goods.

Some land leased by Anton Schnell, at College Point, has been sold to the town as a location for a new school house. Mr. Schnell made a claim for loss on a field of violets and A. Schultheis and F. Zimmerman were selected to appraise damages. Their award, $351, was considered excessive and there is prospect of a suit over the matter.

The American Institute Fair opens in Madison Square Garden next week. Liberal prizes are offered in the horticultural classes.

Mr. W. C. Wilson, the veteran plantsman, is quite sick at Woodside.

Visiting New York: E. G. Hill, Richmond, Ind.

August Rolker & Sons have rented the store and basement at 52 Dey street and will be ready for business October 1. There is an abundance of loft room for general storage in the neighborhood. The Messrs. Rolker did a prosperous business at 44 Dey street for many years.

John Young is receiving some nice chrysanthemums, M. de Montmort, the first of the season.

Boston.

BUSINESS DULL, BUT PROSPECTS ENCOURAGING —SHOW OF ASTERS AT HORTICULTURAL HALL.—EXHIBITION AT READING.—BIG PLANT SALE.—VISITORS.

Reports from all sources indicate a flower trade much below the average for September and not as good as the August showing. This is generally accepted as resulting from local causes, however, and a spirit of hopefulness and confidence in the coming season seems to exist, and the situation is regarded with a cheerfulness that has rarely been shown in recent years. Unless good judges are greatly mistaken there will be a good season for the flower trade after the ball gets started, and it only requires a touch of severe weather to drive customers back to the city, where they will find things all ready for them in the line of choice stock. The increase in commercial glass houses in the vicinity of Boston this season has been inconsiderable and a healthy market will without doubt be found for good material in roses, carnations and violets at least.

Saturday, September 18, was the day for the regular fall show of perennial asters at Horticultural Hall. The display of these pretty and popular flowers was very large, and the number of varieties shown seems to increase every year. The hall was crowded during the three hours the exhibition lasted. In addition to the asters there was a superb display of ornamental fruited trees and shrubs, cut branches, from Jackson Dawson, of the Arnold Arboretum, which was the finest collection ever shown here, and attracted great attention.

The first annual exhibition of the Reading Amateur Gardeners' Association was held on the afternoon and evening of September 14 and was a most successful affair. The hall was elaborately decorated and the display of plants, flowers and fruit was very large. F. W. Hatch, Chas. Ingram and Martin Cummings were the judges.

Alfred Bunyard, formerly fern grower for Pitcher & Manda, Short Hills, has taken a position with W. W. Edgar, Waverly.

A large number of florists from New England points are in town attending Ed. Hatch's big plant sale at Horticultural Hall.

Visiting Boston: Winfried Rolker and A. T. Boddington, New York City; R. Dreyer, Woodside, N. Y.; Alfred Dimmock, St. Albans, England; Wm. Duckham, Madison, N. J.

Annual election of the Mass. Horticultural Society will take place on Saturday, October 2.

Mr. Robert Cameron, of the Botanic Garden, has gone to Washington to visit Mr. W. R. Smith.

Buffalo.

DEMAND INCREASES.—HERBACEOUS FLOWERS NOT PROFITABLE.—FIRST VIOLETS.—CARNATIONS —PREVENTION OF RUST.—FIFTY MILLION A YEAR —ACCIDENT TO MR. WASSON —BRIEF ITEMS.

This has not been a week of wonderful business revival but as cold weather and the natural decay of garden flowers is at hand the demand on the greenhouse increases. There was a belief a few years ago among some of the enlightened florists that a good field of herbaceous plants would be a source of profit, but that illusion is vanished. Field flowers are no longer a profitable article and the best of them have not paid express charges by rail. Every old woman cultivates a few flowers in her garden and the face of nature is embellished with flora's offerings. When every neglected wayside offers to universal admiration the perfect but "unimproved" gems of nature's flora, who will look at or pay much for our cultivated asters, phlox or gladiolus? There is another reason far more potent than the foregoing for a poor demand in summer, it is that when you have plenty or a surfeit of a thing you look for a change or something that is rare or out of season, and in no country is this more true than this U. S. If our patrons could have American Beauties all the year round at $1 per dozen they would soon tire of them and would readily pay $3 per dozen for Pres. Carnot, simply because it was new. But American Beauty is not plentiful and when John Burton and Ed. Lonsdale get nine dollars per dozen for them they are in great demand. There is going to be a great demand this winter for palms for the house, or rather the drawing room. I feel it already. Have you noticed in all our illustrated papers, whenever a comic picture was copied from an European paper there was always a palm in the scene; so our people are getting to understand that in all well regulated homes you must have a palm. God bless the palm, and let it be sent C. O. D., and never returned for repairs.

W. J. Palmer & Son are the first in town with violets, having sent in a good many hundred a day. Other people have violets but they think it would be better to pluck and throw them away for another few weeks.

Thomas Webb, of Corfu, has a big bunch of his new scarlet carnation and it is most promising, and yet it is not as good as Jubilee. Strange to say Jubilee, that was last year the most infernally rust affected of all carnations, shows this year but little or no signs of rust, and that can be said of several other varieties. That yet uncqualled carnation, Daybreak, which has always been the most susceptible to rust, appears this year largely free of it. Depend upon it if you take off healthy cuttings and dip those cuttings in a solution of copper, either the Bordeaux mixture or ammoniacal, you are going a long ways towards propagating a clean stock. The close planting and neglect of some carnation growers is enough to produce a disease far worse than rust. It is liable to produce "Dianthus starvatum klondicus," which up to date is one of the worst maladies that either the vegetable or animal kingdom is heir to.

Mr. Mott was here, but as your correspondent was harvesting a second crop of clover he missed him. How different Mott is from the first day we saw him when he was glad of a twenty dollar order. He is now so fat and prosperous that he should no longer do any real work; he should simply be sent round the country to let us know that his actual selling agents will be along in a few days and will have time to talk to us, and incidentally take our order. Mr. Rockefeller's income is fifty million a year, and the colored troops fought nobly.

We are sorry indeed to have to report an accident to Mr. E. A. Wasson, fore-





NORMAL SCHOOL GARDENS, TORONTO.

man for Wm. D. Newlands. Mr. W. was loaded (not he but the wagon) with crates of pots and on his journey home, taking more interest in the pots than his own welfare, he fell off and fractured a shoulder bone; which bone is not certain, and all who have carved a shoulder of mutton knows it's somewhat complicated. Mr. Wasson is going round attending to business but handicapped for work by the temporary stationary position of his left wing.

Brief items: James Buxton says he ordered 50 tons.

William Belsey was pressed to run for alderman of the 23d ward but declined.

W. A. Adams says you can't always tell by looking at a man how fast he can ride.

W. F. Kasting: "I do my best, but its hard work, boys, to please both shipper and buyer."

G. Sebastian Pickleman: "We are going to handle nothing but first-class goods this winter and we want your patronage. W. S.

Normal School Gardens, Toronto.

We present in this issue two views in the Normal School Gardens, Toronto, Ont., which are in charge of Mr. A. H. Ewing. The photographs do not do the bedding justice, the views being too general to show much detail, but all will undoubtedly be interested in these glimpses of the grounds presided over by Mr. Ewing, whose Toronto notes in these columns have been so bright and interesting.

Washington, D. C.

MOVE AGAINST GOVERNMENT COMPETITION.

A called meeting of the Washington florists was held last Thursday night at the Hotel Johnson for the purpose of considering the matter of the distribution of plants and cut flowers by the government institutions. Mr. J. R. Freeman issued the call and occupied the chair. Those present were Messrs. Wm. F. Gude, Adolph Gude, J. Louis Loose, Nicholas Studer, Albert Esch, Robert Bowdler, Chas. F. Hale and John H. Shine. They claim they have long suffered from the competition of the several government departments where plants and flowers are grown for beautifying the various parks and reservations, claiming it has for years been the practice of the departments to distribute cut flowers free to members of congress, senators and other high officials, and on their order to their relations and friends, and of recent years they have added new houses for the purpose of growing roses, carnations and other flowers usually grown by the florists, thereby increasing the output of free cut flowers "enormously," and with corresponding detriment to the business of the local florists.

It was claimed by those present at the meeting that it was a frequent occurrence for the ladies, the wives or relatives of members or senators to order of them potted plants, such as the department greenhouse never sends out, and then make a contingent bargain about cut flowers, saying that they did not know what cut flowers they would need until they saw what they got from the public garden.

The florists also had much to say in regard to the appearance of the public gardens and grounds, claiming that "were the sums annually expended in cultivating expensive cut flowers to be given away devoted to the use intended by law, and only such plants and cut flowers cultivated as would be suited for the ornamentation of public parks, the government reservations in Washington "would be the handsomest in the world." They further criticised the idea that the government greenhouses grew flowers for the decoration of the White House on the occasion of public receptions and other occasions of state, stating that "any of them would supply the decorations for a dozen or more of such functions that take place in winter for one-tenth of the cost of maintaining the specially designed hothouses and other expenses of labor and stock annually assessed against the appropriations for supplying these decorations."

The Reform School and the Industrial Home School were also complained of, claiming "the former makes a specialty of raising Easter lilies and offers them at one-half the price the florist who sells them for a living can do," and that at the last named establishment potted plants are raised and daily put on the market in the hands of boys who receive 10% of the proceeds of the sale of these plants. The fact was developed at the meeting that the gift of a single flower to anybody by the superintendent of public buildings and grounds is a direct violation of a United States statute.

The first move in the direction of securing reform in this matter was in the form of letters addressed to the superintendent of public buildings and grounds and to the superintendent of charities, which read as follows:

TO THE SUPERINTENDENT OF PUBLIC BUILDINGS AND GROUNDS: We, the undersigned florists of the District of Columbia, at a special meeting called for the purpose, most respectfully protest against the present system of free distribution by your department of cut flowers and other products of the propagating gardens situated in the Monument Grounds. We look upon such distribution as illegal, in addition to being a source of great injury to our business, and we are hopeful of finding some way of stopping the practice. We hope the calling of your attention to this matter will be sufficient to justify you in taking strict measures toward the desired result.

TO THE SUPERINTENDENT OF CHARITIES: We, the undersigned florists of the District of Columbia, most respectfully protest against the present practice of the Reform School and Industrial Home School in offering plants and blooms for sale in the open market in direct competition with us, and to the great detriment of our business. If it is not deemed advisable to discontinue the production of plants and flowers, then we respectfully suggest that the plants produced at these institutions be utilized for the purpose of beautifying the grounds surrounding public schools, engine houses, police stations, hospitals, and other district institutions, which instead of being a detriment to our business, would tend to educate school children and others in the love for plants and flowers, and thereby create a legitimate demand for such products. Trusting you

will take such action as will relieve us from our present strain, we remain, etc.

The signers of these letters were: J R. Freeman, chairman; W. F. Gude, J. Louis Loose, N. Studer, Albert Esch, Robert Bowdler, A. Gude, C. F. Hale and John H. Shine.

The meeting agreed to await reply to these communications before taking further steps, but in the event it was found necessary to protect themselves, it was freely stated that a resort to law would be had and an injunction asked to prevent the violation of the explicit statute in this regard by the officers above mentioned. The law in question was approved June 20, 1878, and reads as follows:

Provided, That hereafter only such trees, shrubs and plants shall be propagated at the greenhouses and nursery as are suitable for planting in the public reservations, to which purpose only the products of the greenhouses and nursery shall be applied.

REYNOLDS.

Philadelphia.

COOL WEATHER ARRIVES —SUPPLY SHORTENED — PRICES STIFFENING. — A GREEN FEVER.—CHEAP POTS —BASEBALL AND SHOOTING. — VISITORS. — JACOB EISELE RETURNS.—MEETING OF HORT. SOCIETY.

Summer has surely gone; the thermometer has dropped as low as 44° several nights the past week and things have taken on a different look. Although the night fireman has not as yet been engaged there are few places that are not now using artificial heat.

The cool weather has shortened up the crops, in roses particularly, and prices will soon take a jump, in fact even now the best teas bring $5. Beauties are scarce and so tight; some growers seem to use very little judgment, cutting them at least two days too soon. It is very annoying to a dealer to show nice roses one day to a customer and have to send them tight buds the next. Carnations are getting better and the variety greater. Asters are about done.

Mums are said to be in sight, coming slowly round the curve, as it were. Mr. Harris says that there is not much in early chrysanthemums unless there should happen to be but a few about, as the demand while it may seem great at times, is light, and as soon as the better ones come in the early kinds will not sell at all.

Prices of flowers are as follows: Beauties 75 cents to $2 per dozen, teas $2 to $5 per hundred, carnations 50 to 75 cents a hundred, valley $3 to $4 ,asters 40 to 50 cents per hundred flowers, smilax 10 to 20 cents per string, adiantum 50 to 75 cents per hundred. Tuberoses, fine spikes, $2 to $2.50 per hundred. John Westcott says that 25 cents per pip used to be the retail price for the tuberose and that he has often paid $10 per hundred pips. Well, perhaps some of the growers, the up-to-date fellows of to-day, wouldn't like to sell out at these figures.

Fevers are contagious, they break out all at once. The green fever has struck us and hit hard. Half the plant stands and pot covers of the town are covered with various shades of green and one of the 11th street boys has been doing up his store with the same shade, ice box, wood work, everything, green. It's a good color for the baskets and stands and it seems singular that it should not have been used before this late day. One of the supply houses has even dyed the stemming sticks a shade of plant green and we suppose green wire will follow.

The potters of this vicinity are having a great time with their price lists. It seems that some other fellows want to get in and they keep settling down and down so that there won't be the smallest kind of a crack for the outsiders to get their wedge in. Here is the latest level: 4½-inch, $7.75 per thousand; 4½ inch, $9; 5-inch, $11.75; 7-inch, $29; 8-inch, $49 and 5% off for cash. This is from prices that were already considered too low.

The Chestnut Hill and Germantown florists, the one clan by the way thinking themselves much more aristocratic than the other, though for the life of us we can't see any difference, met last Monday to try their skill at baseball and shooting blue rocks. The contests took place in Germantown, and whether it was because they were on their own grounds or really were better at handling the bat and the gun, we are unable to say, but we cheerfully state the fact that the Germantowners won and we can just say on the Q. T. that the other fellows were awfully surprised. The result of the gun contest particularly annoyed them as they belong to the crow faction, the black crow, and thought themselves invincible. They are going to meet in a ten pin match at the Florists' Club rooms next Tuesday night and Chestnut Hill expects great things then. The base ball team won by a score of 14 to 12 and the gunners with 96 to 95 out of 150 targets, six men on each side. The Chestnut Hill boys said after the matches: "Well you had no walk-over; you had to do your best to beat us."

Wm. Bertermann, of Indianapolis, stopped on his way home from Europe and took a look at our Willow Grove park, a beautiful place laid out by one of the street railway companies. Jacob Eisele, of Dreer's, arrived last Thursday looking much better for his European trip. George Stumpp of New York also paid a flying visit.

The meeting of the Horticultural Society was held last Tuesday evening in the library as the dahlia society was using the lecture room. Six new members were elected. The H. M. Michell prize for asters was won by Chas. Leisy, of Germantown; his vase made a fine show, consisting of fifty fine branches.

An exhibit of strawberry plants in fruit was a surprise; they are of the perpetual bearing type, bearing at intervals from June until October; they were exhibited by Joseph Hurley. Dr. Mueller, of Cornell University, was present. K.

American Dahlia Society.

The second annual show of the American Dahlia Society was held in Philadelphia Horticultural Hall, last Tuesday and Wednesday, and it can be said that in every way it was a success and a credit to the young society. Not only were the exhibits finer and larger than last year but the appreciation of the public was shown in the increased attendance, which was much larger than in 1896.

Of course by far the largest display was made by Mr. Peacock of Atco, N. J., the exhibit filling two long tables, nearly five hundred vases in all, among the striking kinds of which there were large vases of C. W. Bruton, Wm. Agnew, A. D. Livonni, Pluton, La France. A. Blanc had a fine collection containing many new varieties, some recently imported and other good ones raised from seed.

W. H. Maule's exhibit was also large and varied and contained many superb flowers. Mr. Maule makes the dahlia one of his specialties; the present season his sales were larger than ever before and showed that the general public is taking hold of this old garden favorite. Mr. E. C. Taylor filled a table with single varieties which attracted considerable attention. H. A. Dreer had also a fine display but not for competition. Edward Y. Kulp, gardener to Mrs. Stuart Patterson, had a very good amateur exhibit.

The different collections were all nicely arranged and the whole effect looking over the vari-colored tables was very pleasing. Another good feature was that all varieties were labeled and it was easy for the visitors to note and select kinds that might be wanted for next year. Thomas Cartledge, Edwin Lonsdale and Wm. K. Harris acted as judges.

In addition to the dahlias there were fine collections of cannas by A. Blanc and H. A. Dreer. These displays were also much admired. Mr. Blanc also staged a fine lot of cactl among them many valuable varieties. The dahlia flowers were all given away at the close of the exhibition to the visitors present. The awards were as follows:

Largest and best general display of dahlias—William Henry Maule, Philadelphia; second, A. Blanc, Philadelphia.

Cactus dahlias—Vase of fifty of one color, A. Blanc, for the William Agnew; second, W. H. Maule, for red and black; vase of twenty five of one color, W. H. Maule for the Clifford W. Bruton.

Show dahlias—Vase of 36 blooms, red, W. H. Maule, for Ruby Queen. Vase of 36 blooms, white, A. Blanc, for Glory of Lyons. Vase of 36 blooms, pink, W. H. Maule, for A. D. Livonni. Vase of 36 blooms, yellow, W. H. Maule, for Pluton.

Fancy dahlias—Vase of 25 blooms, tipped, W. H. Maule for Frank Smith; vase of 25 blooms, margined, W. H. Maule for Fern Leaved Beauty; vase of 25 blooms, blended and shaded, W. H. Maule for La France; vase of 25 blooms, mottled, A. Blanc, for Uncertainty; vase of 25, any color, A. Blanc for Mrs. Gladstone.

Pompons—Vase of white, W. H. Maule, for Snow Clad; vase of any color, A. Blanc for Vivid.

Singles—Vase of 25 blooms, striped, E. Clifton Taylor, Germantown, for Novelty. Best display, E. Clifton Taylor.

Six largest flowers, any variety, A. Blanc for Colossus.

New seedling, best of any type not yet introduced—A. Blanc for Gilt Edge; second, E. Clifton Taylor, for Single Surprise, sweet scented.

Novelties in dahlias—A Blanc for Grand Duke Alexis. Largest and best display by an amateur to John McGowan, gardener to Mr. Bayard, Germantown, for 16 vases; second to J. Campbell, gardener to J. D. Winsor, Esq., Haverford.

Cannas—Best display, A. Blanc; second, W. F. Dreer, Riverton, N J.

Ornamental plants—Joseph Kift & Son, Philadelphia.

Cactus collection—A. Blanc.

K.

Chicago.

COOLER WEATHER —BUSINESS IMPROVES — PRICES STIFFENING — MR. HAUSWIRTH RETURNS —VARIOUS ITEMS.

With the advent of cooler weather this week business has greatly improved. This is particularly noticeable in the shipping demand. Local orders also show a gradually increasing trade. Prices in all lines have stiffened somewhat, although there is no marked advance in quotations. Beauties have been benefited by the prevailing weather, bright days and cool nights. The best selected sell at 15 and 16, 8 to 12 being the figure asked for medium length. Brides and 'Maids are still small, but the latter are much better in color. Meteor is in great demand and of fairly good quality. Kaiserin still leads the list of whites by long odds. Some extra good blooms are being cut.

Carnations continue in brisk demand. The cut at present is rather light and on the whole of fairly good quality. The best go at $1 per 100. In garden flowers the list has dwindled down to a few sweet peas and the tail end of the aster crop. A few good gladioluses and hydrangeas are still with us.

Mr. P. J. Hauswirth and wife have returned from a very enjoyable twelve-day trip through the east, accompanied by Miss Annie Kreitling. Mr. Hauswirth is Great Sachem of the Redmen of Illinois,

and attended the Great Council of the order in Philadelphia, where his party was royally entertained by the local brotherhood. The Chicago party traveled in a special car and a stop was made at Niagara Falls, enabling Mr. H. to visit several florists in Buffalo. After the Philadelphia meeting visits were made to New York and Washington, and Phil reports that he never enjoyed himself so thoroughly as on this trip.

There was a very light frost last Tuesday night, but no noticeable damage was done.

Mr. W. C. Egan, secretary of the Horticultural Society, is building a small conservatory at his place in Highland Park, and will now devote some attention to plants under glass.

In the conservatory of President Chadwick, of the Horticultural Society, there is a plant of Cyperus alternifollus nine feet tall. It has been planted out several years in a border. He has a plant of Aristolochia gigas Sturtevantii now in bloom and full of buds. The "goose flowers" attract much attention from visitors.

A meeting of the Executive Committee was held yesterday to dispose of details connected with the coming exhibition.

Mr. and Mrs. Elmer D. Smith, of Adrian, Mich., were visitors the past week.

The next regular meeting of the Florists' Club will be held at the club room October 14.





Chrysanthemum Society Medals.

We present herewith engravings of both sides of the gold medal of the Chrysanthemum Society of America awarded to an English grower in the international competition at London under the auspices of the National Chrysanthemum Society of England last November.

The medal was won by Mr. Waterer over eight competitors with some superb blooms of the variety Mlle. Marie Hoste. It was offered under the following conditions: "The best 12 blooms of a chrysanthemum of commercial value, one variety only, introduced from any country, home, colonial or foreign. The exhibit to be staged in a vase, with not less than 18 inches of stem, the vase to be provided by the exhibitor. The variety to be of a pleasing color, likely to be salable; size and substance of the blooms also to be considered. The foregoing to be judged by American scale of points."

Toronto.

A DAHLIA MEETING —A CRICKET MATCH — JOHN FROST ESQ. APPEARS.—CHRYSANTHEMUM SHOW.

Dahlias were the principal attraction at the regular meeting of the Horticultural Society last week. The crowd was not quite so large as at the sweet pea meeting, probably because dahlias are not so universally grown. A very clearly written and practical paper by Mr. E. Grainger (of Messrs. Grainger Bros.) was read and listened to with great attention. Mr. Grainger brought down specimens of all the different types and many varieties, which helped to make the paper more comprehensible to the amateurs. There were many very fine blooms amongst them. A committee was appointed to consider necessary improvements in the Industrial Exhibition horticultural shows in conjunction with one to be appointed by the Gardeners' and Florists' Association.

About twenty of the gardeners and florists spent a most delightful day at Brampton last Thursday and were royally entertained by Mr. H. Dale. The weather was fine and very hot and the ground was in perfect order, in spite of which the Toronto boys managed to win the cricket match; it should be stated, however, that they had two crack players on their side, Messrs. A. Chambers and C. Leigh, both of whom work at Exhibition Park. A bad accident, which occurred to Mr. H. Dale, marred the pleasure of the visit to a great extent; he was unfortunate enough whilst fielding to receive a nasty blow from the ball on the cheek and nose just below the eye which had to be patched up by the doctor. Mr. Dale was well enough, however, to show us round his houses in the evening, all of which were as usual in first-class trim. The roses and chrysanthemums were looking especially fine and healthy and promise good returns in the future.

John Frost Esq. put in his first appearance for the season of '97, '98 this morning (21st) and was unkind enough to wither some tender plants with his icy breath. We shall likely see a good deal of him from this out.

The chrysanthemum has the floor now. Show arrangements will probably be up for discussion at the Gardeners' and Florists' meeting to night. E.

St. Louis.

BUSINESS CONTINUES TO GRADUALLY IMPROVE. — COOL WEATHER IMPROVES STOCK.—NO MATERIAL CHANGE IN PRICES. —A VISIT TO FRANK FILLMORE —RETURNED FROM EUROPE.— VISITORS.— DEATH ON MRS COLMAN.—VARIOUS ITEMS. —BOWLING.

Business continues to improve gradually. The protracted dry and hot spell has at last been broken by a rain and several days of cooler weather, and the demand for a better quality of stock is now fairly on. The cooler weather has encouraged the retailer to carry a much larger stock, something he has not thought of doing for months past.

In roses the pink and white ones are plentiful, but red and good Beauties are scarce. Perles not overplentiful, and the demand has made no impression on prices in general. Carnations are doing much better since the cooler weather has come, and each day brings in better stock. The first chrysanthemums of the season came in last week, but only one dozen, and they were very good. A few asters are still coming in, but they are very small. Tuberose stalks, single Armstrong's everblooming, are selling well just now, also quite a good call for smilax the past week. A few single violets made their appearance, but were very small.

I paid a visit to Frank Fillmore's place. One would hardly know it, as he has taken down all the little houses and replaced them with fine large and light ones, all his glass being 18x22. The roses are in fine shape, and Frank will be heard from at the show this fall. His 'Maids, Brides and Woottons are looking especially strong. The Perles, however, are the best stock on the place, very strong and healthy, with the top a mass of red shoots. Frank's carnations, from the way they look, will also be heard from, and especially Flora Hill. Scott, Daybreak and the chrysanthemums are also looking their best. Frank always prides himself on having everything of the best, and from the looks of the place he's going to have it.

William Young and his father returned from Europe last week in the best of health. Bill will read a paper at the next club meeting on his travels.

Wm. Dykes, representing Ed. Jansen, New York; Paul Berkowitz, of H. Bayersdorfer & Co., Philadelphia; and Swan Peterson, of Gibson City, Ill., were visitors last week.

The Michel Plant and Bulb Company will have a meeting at the office of the company on October 14 for the purpose of voting on a proposition to decrease the amount of the capital stock from $50,000 to $10,000.

Mrs. Norman J. Colman, wife of the ex-Secretary of Agriculture, died last Saturday afternoon at the family residence, 5471 Delmar avenue. Her death was due to a sudden attack of heart failure.

Willie Jordan, son of J. M. Jordan, is very happy nowadays. "It's a boy," and all are well.

At the Bowling Club Monday night we had a cool time of it, and all the boys felt good and rolled a few good games. Mr. Dykes, of New York, was a visitor and rolled his first game with us. He likes it and will roll whenever he gets a chance. In the regular three games rolled Emil Schray was on top with 547, C. Beyer second with 523, and Kuehn third with 490. In single score Kuehn was high man, 204, and Schray and Bauer were a tie for second with 199 each. Next Monday night we roll on the new regulation alleys at 6th and Pine streets, and a full attendance is expected. J. J. B.

Pittsburg.

WELCOME RAIN.—FIRST FROST.—RETURN OF JOHN BADER AND DAUGHTER —CLUB MEETING THURSDAY —BUSINESS FAIR — THE FIRST CHRYSANTHEMUMS. — MR. GIBBS' IMPROVEMENTS.

The backbone of the very unseasonable hot weather seems to be effectually broken this week. On Sunday afternoon the long looked for and greatly needed rain commenced falling, continuing well into Monday, and that night we experienced the first frost of the season. In some of the more exposed localities ice formed, the thermometer having dropped to 32°. In this locality the heavy fog of Tuesday

morning seems to have been productive of much good, as only the most tender of the flower, foliage and vegetable plants were injured, and the damage done was comparatively small considering the severeness of the first visit of "Jack Frost."

Mr. John Bader and daughter have arrived safely home from their trip to Europe and on Thursday night, 23d inst., the Florists' Club will hold a regular meeting and which will also be an informal reception to Mr. Bader, the president of the club. He will give a talk giving his impression of "Two months' travel through Europe," and as Mr. Bader sees things through practical eyes, it ought to be very interesting, as he will not follow the beaten track of tourists. The meeting is unfortunately too late in the week for a report in this issue.

Mr. E. C. Ludwig, Allegheny Market, reports business as reasonably fair. He has just finished a very fine decoration; the entire house was profusely decorated with flowers and foliage plants, the occasion being the marriage of one of Allegheny's most popular belles. The demand for funeral work he says is very steady and reliable.

Chrysanthemums have made their appearance once more. To Mr. Fred Burki, of Bellevue, belongs the credit of having the first ones this year from our immediate locality. Mr. Burki furnished a few on last Saturday; they were very good for early ones. From present appearances and reports chrysanthemums will be very superior in quality this year and prices not at all likely to be prohibitive, in fact the consumer will in all probability have the best end of the bargain.

Mr. J. F. Gibbs, of Woodville, is having a new dwelling erected, replacing the one he lost by fire. He is putting it further back on the lot and will make other improvements. At his greenhouses in the East End of the city, the improvements are almost completed; they are well stocked and the plants are looking well; his son Sidney is supervising these. The outlook for a favorable business at these houses is very encouraging. REGIA.

St. Paul.

UNUSUAL HEAT RETARDS BUSINESS.—MOST FLOWERS PLENTY.—BEAUTIES SCARCE — BUSINESS CHANGES —MEETING OF STATE SOCIETY 16TH INST.

The unusual heat recently prevailing so late in the year had a deteriorating effect on trade. Society is still dull, people are rusticating at the lakes, and flowers are not in very great demand. We have had no severe frost and outside stock is still in good shape. The demand for funeral flowers still keeps up while the shipping trade is fairly good.

The intense heat of the past two weeks brought out an abundance of bloom and some roses have gone to waste. Am. Beauties are scarce and in good demand. As the growers have thrown out their old carnations and are just now lifting the field grown ones, these flowers are quite scarce. Good asters are also scarce owing to the prevailing aster disease. 'Mums are coming along in elegant shape.

Haugen & Nilsen have dissolved partnership, J. Nilsen continuing the business. He will grow violets principally with some spring bedding stock. Mr. Haugen has rented the range of houses located on Hague avenue, belonging to E. F. Lemke, and formerly run by L. G. Venzke. We trust that both Mr. Haugen and Mr. Nilsen will be as successful individually as they have been associated together.

E. Behrens has completed his new houses which present a neat attractive appearance.

L. L. May & Co. are moving their stock of seeds to their new warehouse.

The annual meeting of the Society of Minnesota Florists was held in Minneapolis the 16th inst. FELIX.

Indianapolis.

The display in floral hall at the Indiana State Fair was conspicuous for the absence of the large specimen plants and floral designs which have been notable in former years. The management cut the premiums and the florists of Indianapolis retaliated by cutting the exhibition, all the exhibitors of previous years agreeing not to exhibit. Only one florist could be found to exhibit, and probably with the expectation of an easy victory all along the line. This was Mr. E. H. Schmidt, but he had one competitor in the person of Mr. W. W. Coles, of Kokomo, who had not heard of the deal entered into by the Indianapolis boys. Mr. Coles took both firsts and seconds for collections of cut roses, cannas and gladioluses, and first only on collection of general cut flowers, Mr. Schmidt taking second. Mr. Schmidt made the only cutries for 3 baskets, 3 funeral designs and 3 bouquets, and received first in each case. For best and most original show design E. H. Schmidt was first, W. W. Coles second.

It seems a great pity that there should have been any friction between the state board and the florists, as these exhibitions are excellent educators of the public. Let us hope they will "kiss and make up" before another year. KLONDIKE.

Worcester, Mass.

TRADE IMPROVING.—GOOD FLOWERS NOT PLENTIFUL.—LAST CARNATIONS BEING HOUSED —THE EXHIBITIONS.

Trade has improved very much during the past week, the cold weather driving people in from seashore and mountain and the musical convention also helps to swell the demand. Good flowers are not at all plentiful. Roses are pretty short and carnations are not coming in in any great quantity. Asters are also falling off rapidly and if trade continues to improve, stuff will be very scarce.

The weather is just right for housing carnations and the last few houses are being rushed in as rapidly as possible. Funeral work has kept us pretty busy and used up the bulk of white stuff. The horticultural exhibitions continue to be well patronized and the shows are very creditable to the society. A. H. L.

POUGHKEEPSIE, N. Y.—John Yourg, of New York, is judge in the floricultural department, and Wm. P. umb is judge on fruits and vegetables at the Dutchess County Fair which is now in progress.

INDEPENDENCE, IA.—Mr. E. M. Bissell has formed a partnership with Mr. J. A. Cilly and the business will be continued under the title E. M. Bissell Floral Co. They have added two new houses each 16x50, making a total of about 4,500 feet of glass, all heated by hot water.

JOLIET, ILL.—One of the most notable private gardens in this city is that of Mr. F. S. Allen, the architect. Mr. Allen is specially fond of cannas and has all the best recent introductions as well as standard sorts. There are over fifty varieties and the display on his grounds has been remarkably brilliant.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—By young man as night fireman or greenhouse work; experienced. Address C D G, 74 Milwaukee Ave., Chicago.

SITUATION WANTED—Man experienced in growing roses, palms, and general greenhouse plants; age 25; married. Address R D. care Am. Florist.

SITUATION WANTED—By young man; 5 years' experience in commercial place, with charge of buying. Address E B, 1630 N. 15th St., Philadelphia

SITUATION WANTED—By a young man; 6 years experience in general greenhouse work. German; sober and reliable. Address WM. MOLLAGER, Amsterdam, N. Y.

SITUATION WANTED—As assistant in commercial greenhouses in middle western states. Correspondence solicited. References and particulars given. Address A E. care American Florist.

SITUATION WANTED—By married man, age 29, as working foreman or grower, where finest quality in cut flowers and p'ants are wanted. West preferred. Address PLANTS. care American Florist.

SITUATION WANTED—By up-to-date grower of cut flowers and general stock. First-class propagator and designer; 15 years' experience. All references. Only progressive places need apply. Address L. G. BARBIER, Keokuk, Iowa

SITUATION WANTED—By single Englishman to manage private or commercial place. Life experience in all branches including orchids. Well up in floral decorations of all kind. Thoroughly sober and reliable. State wages. Address PRACTICAL, care Jos. Breck & Sons, (Seed Dept.), Boston, Mass.

SITUATION WANTED—As florist and gardener; private or commercial. Good rose and cut flower grower; 20 years' experience in the cultured of all kinds of greenhouse plants, fruits and vegetables, cold graperies, mushrooms, etc., both in Europe and America. Steady and trustworthy. Good references Address PRACTICAL, care American Florist.

WANTED—First-class rose grower at once Apply VAUGHAN'S GREENHOUSES, Western Springs, Ill.

WANTED—At once, a good all around grower of general stock—no expert. Single man. Address REINBERG BROS., 51 Wabash Ave., Chicago.

WANTED—Man capable of taking full charge of branch store, accustomed to first-class trade. J. LOUIS LOOSE, 12th & F Sts., Washington, D. C.

WANTED—In middle states, an experienced foreman for place with 100,000 feet of glass. Wages $100 per month. HUSTLER, care American Florist.

WANTED—Active young man as assistant who is well up in growing of plants and cut flowers. Send references and state salary expected. TEXAS SEED AND FLORAL CO., Dallas, Texas.

WANTED—A practical florist and landscape gardener. Must be thoroughly competent and sober. Give references, experience and wages. Single man preferred. OXFORD RETREAT, Oxford, O.

WANTED—Good all round florist -cut flower grower especially—to take charge of my 12,000 feet of glass; married man preferred; one that wants a steady position. Send references Wages $40 per month. J. F. AMMANN, Edwardsville, Ill.

FOR SALE—Greenhouses, 3800 ft. glass, live Ill. town of 6000, doing a good business; no competition. Cheap for cash. H D, care American Florist.

FOR SALE—Nine greenhouses in northwestern Ohio well stocked with all kinds of plants for the trade; particulars and reasons for selling on application Address W, care Am Florist.

FOR SALE—In Warren, R. I., 5 greenhouses, nice 6-room cottage, barn, sheds, shops, etc.; about 10 acres of good land; young orchard, shade trees and grapevines. Greenhouses and cottage heated with hot water. Windmill supplies water over the premises. Can be bought on easy terms Apply to O. H. NYE, Warren, R. I.

FIELD-GROWN
CARNATION PLANTS

We offer for sale 8,000 or 9,000 first-class Carnation plants now in the field. They consist of about 6 000 Rose Queen (extra strong plants), 1000 Orange Blossom, 500 Daybreak, 500 Wm. Scott, 500 Ivory, and some Dean Hole, Storm King and Alaska.

PRICE, $3.00 PER HUNDRED.

If the whole lot is wanted write us for Special Price.

BASSETT & WASHBURN, Hinsdale, Ill.

Mention American Florist.

Barrie, Ont.

DEATH OF WILLIAM VAIR.

William Vair, of the Vairville Nurseries, brother of George Vair, of Toronto, died September 13 as the result of a stroke of paralysis the day before.

Mr. Vair was a most amiable man and a thorough, all-round gardener. He was a native of Roxburghshire, Scotland, and came to Canada about twenty-eight years ago, settling in Toronto, where for a few years he was foreman in the Toronto Nurseries. He then came to Barrie and has ever since conducted a successful nursery business. He was a quiet and unassuming man, and did not belong to any society. He was a Conservative and Presbyterian, and was respected highly by his fellow citizens. He was twice married, his first wife dying some eight years ago, and his second wife is still living. He leaves five sons and one daughter.

GREENSBURG, IND.—Mrs. H. Deemer and Charles Deemer have formed a partnership with the firm title of Mrs. H. Deemer & Co., and have built a modern range of glass. A city salesroom has been established and arrangements made for doing a general florist business.

HEALTHY VIOLETS.

3000 grand plants of **LADY HUME CAMPBELL**, from field, per 100 $6.

DONALD McRAE,
41 Robert Street, BROOKLINE, MASS.

300,000 SMALL and LARGE FERNS

In variety; well grown; reasonable prices. Send stamps for samples

COCOS WEDDELIANA, 2½-inch pots, at $6.00 per 100.

CARNATIONS from field, Victor, Daybreak, Scott, McGowan, Clover and Eldorado.

B. REDFIELD, Glenside, Pa.

GREATEST SNAP OF THE SEASON.

Have to sell surplus; no housing place. All A1, fine, stiff st'k.

	Per 100
600 4-inch BRIDESMAID ROSES, at	$6.00
300 3 inch " at	5.00
800 green, and 350 red leaved DRACÆNA INDIVISA in 2½-inch pots, ready to be shifted	$3.00
250 or more at $2.50 per 100.	

WM. F. KASTING, Wholesale Florist,
495 Washington St., BUFFALO, N. Y.

COLLECTION OF PALMS. A BARGAIN.

2 Seaforthia elegans, 5-inch, at	$ .45	$ .90
2 Oreodoxa regia, 4-inch, at	.50	1.00
2 Latania borbonica, 4-inch, at	.25	.50
2 Cocos plumosa, 3 inch, at	.50	1.00
4 Phœnix reclinata, 3-inch, at	.10	.40
4 Latania borbonica, 3-inch, at	.10	.40
2 Seaforthia elegans, 6 inch, at	.60	1.20
2 Rubber plants, 4-inch, at	.30	.60
2 Sword Ferns, 3 and 4-inch, at	.10	.20
Above collection of fine plants for $5.00.		
Cash with order.		$6.20

WILLIAMS & SONS CO., Batavia, Ill.

Finest Stock of Field-Grown

CARNATIONS

15,000 McGowan, Rose Queen and Scott, free from rust and disease. Per 100, $4.00; per 1000, $35.00. In lots of from 3000 to 5000, $30.00 per 1000. This stock is all blooming in the field.

CASH WITH ORDER, OR C. O. D.

J. A. BUDLONG, Station X, CHICAGO.

Surplus Stock

IN FINE CONDITION.

2000 Wm. Scott and 1000 Uncle John, at 5c. Clean as a whistle. No rust.

Also 4000 field-grown Roses, 15 to 20 inches, at 6c. Bride, Bridesmaid, La France, K. A. Victoria, and White La France.

JOY & SON, Nashville, Tenn.

STOCKY, FIELD-GROWN CARNATIONS.

New and standard vars., $5.00 per 100 and upward.

GEO. HANCOCK & SON, Grand Haven, Mich.

OUR BARGAIN TABLE



Nurserymen and Landscape Engineers.

PERIWINKLE.
VINCA MINOR,
" " **ALBA,**
" " **HERBACEA**

Holds only Periwinkle, but nevertheless calls for the attention of everyone. Who is there that owns a lawn and has no bare spots on it, and who that does not admire at least one of the three kinds offered.

A portion of our ground now occupied by these plants is in urgent demand, and we would greatly prefer to dispose of our large stock at a sacrifice than transplant it.

We base our prices on small plants, as the purchasers may then know exactly how much they require. The plants will consist of from 2 to 6 stems each, but we shall send in larger clumps, not divided, that the purchasers may make larger or smaller divisions as preferred.

Price of plants of any kind $2.50 per 1000.

THOMAS MEEHAN & SONS,
GERMANTOWN, PHILA., PA.

WE QUOTE CLOSE ON GLASS AND PAINT.
JOHN LUCAS & CO.,
PHILADELPHIA, NEW YORK, CHICAGO.

900,000 PANSY PLANTS.

MITTING'S GIANT FLOWERING transplanted plants, $1.00 per 100; $5.00 per 1000, by express only. From seed bed, 75 cts. per 100; $3.00 per 1000, by mail prepaid. When plants are ordered by express we add enough plants to pay expressage. They are up to-date both in color and size of bloom.

SEED from above strain, 50 cts. per trade packet; $4.00 per ounce; $40.00 per pound.

MORRIS FLORAL CO., Inc.,
MORRIS, ILL.
Mention American Florist.

Pansies Worth Raising.

STRONG PLANTS, ready now, $4.00 per 1000, f. o. b. express here.

SEED, as usual.

CASH WITH ORDER.

C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

PANSIES.

ROEMER'S SUPERB PRIZE PANSIES.

PLANTS, strong and bushy, 65 cts. per 100, by mail.
By express.....$2.00 per 500.
By express.....$4.00 per 1000.
Cash with order.

PETER BROWN, Lancaster, Pa.

	Per 100
SMILAX—Strong 1 year	$1.50 and $2.50
CLEMATIS—Leading kinds for fall	
PÆONIAS—Herbaceous, choice asst.	8.00
NARCISSUS—Double and single Poets	.75
RED JACKET COOSEBERRIES—Very low prices.	
DOWNING COOSEBERRIES—1 and 2 year.	
DAISIES—Snowflake and Snowdrift	2.00
H. P. ROSES—In assortment	10.00

F. A. BALLER, Bloomington, Ill.

PRIMROSES. Per 100

7000 Primroses, single mixed, ready for 3-inch pots	$2.50
1200 Chrysanthemums, 20 vars., 5 inch pots	8.00
1000 Cinerarias, ready Oct. 1st	2.00
500 Carnations, field-grown	5.00
Pansy plants.....per 1000 $3.50,	.60
Pansy seed.....½ oz. $2.00, oz. $3.50.	

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, O.
Mention American Florist.

Smilax Plants

from 3-inch pots, $2.50 per 100; $20.00 per 1000. It pays to buy strong plants.

JOSEPH E. BONSALL, Salem, Ohio.

JAPANESE NURSERIES,

Importers, Exporters and Growers of PLANTS, BULBS, SEEDS, Etc.

ESPECIALLY

LILY BULBS, CYCAS REVOLUTA, MAPLES, IRIS, TREE PAEONY.

Our stock is the best, at the lowest prices, and we test everything at our experimental garden on Columbia street, Dorchester, Mass.

Wholesale Price List to the trade only.

Branch of YAMANAKA, AMANO & CO.
272 Boylston St., BOSTON, MASS.

PANSIES. 500,000 NOW READY.

THE JENNINGS STRAIN. FIRST-CLASS IN EVERY RESPECT, and the LEADING STRAIN TO DATE.

BUFFALO, N. Y., June 8th, 1897.

MR. E. B. JENNINGS, Dear Sir:—The Pansy Seed supplied by you last August produced the finest lot of flowers I have ever seen. They were uniformly first-class. Send me one ounce of your best mixed as soon as ready. Respectfully, WM. SCOTT.

100 by mail 75c; 1000 by express $4; 5000 $18. Seed of the above strains $1 per pkt.; $6 per oz.; $3 per ½ oz.

CARNATIONS—Fine, stocky, field-grown plants, leading sorts, $5.00 per 100.

Cash with order. **E. B. JENNINGS,**
Lock Box 224. Southport, Conn.
Grower of the finest Pansies.

Our Beautiful Pansies

are the result of fine novelties added yearly. We grow them by the 100,000; $5.00 per 1000; 75c per 100. Larger lots, write for prices. Seed 1-16 oz 30c; 1 oz. $4.50.

Geraniums, Coleus, Begonias, Petunias and Verbenas are Specialties embracing best late varieties. Rooted Cuttings by Nov.

D. K. HERR, Rider Ave., Lancaster, Pa.



H. Wrede,
LUNEBURG, GERMANY.
PANSY SEED.

133 First Prizes, the highest awards World's Fair, and Hamburg, 1897.
1000 Seeds, finest mixed, 35c.
1 oz. " " " $3.75
Price List on application. Cash with order.

Pansy Plants.

READY NOW.

One on the best strains, and good plants, 75c per 100; $5.00 per 1000.

CASH WITH ORDER.

E. P. HOSTETTER, Manheim, Pa.
Mention American Florist.

NOTICE.

CHICAGO, September 14, 1897.

We desire to announce to our friends and patrons in the trade that the business heretofore conducted under the name of C. W. McKellar, will on and after the 15th of September be continued under the firm name of Vaughan, McKellar & Winterson, the members of the new firm comprising A. L. Vaughan, Chas. W. McKellar and Ed. F. Winterson. Our long experience in the wholesale cut flower, seed, bulb and supply trade throughout the United States should be sufficient evidence of our ability to handle your wants in the several branches which we have hereinbefore mentioned. We respectfully solicit your kind patronage.

VAUGHAN, McKELLAR & WINTERSON.

AND STILL WE'RE IN IT!
ILLINOIS CUT FLOWER CO.
J. B. DEAMUD, Manager.
WHOLESALE COMMISSION FLORISTS,
51 WABASH AVENUE,
Prompt and Reliable. CHICAGO.

A. L. RANDALL,
Wholesale Florist,
126 Dearborn St., CHICAGO.
Agent for finest grades Waxed and Tissue Papers

E. C. AMLING,
WHOLESALE
COMMISSION FLORIST,
88 WABASH AVENUE,
Consignments Solicited. CHICAGO.
Prompt attention to shipping orders.

A. G. Prince & Co.
WHOLESALE CUT FLOWERS
AND FLORISTS' SUPPLIES,
88 & 90 Wabash Avenue,
Telephone Main 3208. CHICAGO.
Prompt Attention to all Orders.

ROGERS PARK FLORAL CO.,
Wholesale Growers of
CUT FLOWERS,
41 WABASH AVENUE,
CHICAGO.
HEADQUARTERS FOR AMERICAN BEAUTIES.
Please mention American Florist.

H. L. SUNDERBRUCH CO.
WHOLESALE
COMMISSION FLORISTS,
4th and Walnut Streets,
Consignments Solicited. CINCINNATI, O.
Special attention given to shipping orders.

IT'S A MISTAKE
TO THINK
"ANY OLD THING"
will answer for a Refrigerator to keep flowers in. Those up-to date are made by the
Chocolate Cooler Co., Grand Rapids, Mich.
SEND FOR CATALOGUE.

BRILLIANT GREEN AND BRONZE
GALAX LEAVES,
For Decorating and all Florists' Designs.
CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.
Mention American Florist.

Wholesale Market.

Cut Flowers.

	CHICAGO Sept. 24.
Roses, Beauties, long	15.00@16 00
" " medium	8.00@12 00
" " short	4.00@ 6 00
" Brides, Bridesmaid	2.00@ 3.00
" Meteors, La France	2.00@ 3.00
" Kaiserin	2.00@ 3.00
" Niphetos, Perle, Gontier	1.00@ 2.00
Carnations	1 00
Auratum	6.00@ 8.00
Valley	3.00@ 4.00
Gladiolus	2.00
Tuberose spikes	3 00@ 6.00
Asters	.50@ 1.00
Adiantum	.50@ .75
Smilax	10.00@15.00
Asparagus	50.00

	ST. LOUIS, Sept. 23
Roses, Beauties	8 00@15 00
" short	2 00@ 6 00
" select stock	3 00@ 4 00
" Meteors, Kaiserin	2 00@ 4 00
" Brides, Maids	2.00@ 3.00
" Mermets La Franco	2.00@ 4 00
" Perles, Wootton	2 00@ 3.00
Carnations	1 00
Asters	1.00
Tuberose stalks	2.00@ 4 00
Gladiolus	1.00@ 2.00
Smilax	10.00@12.50
Adiantum	1.00
Asparagus	25.00@30.00

SEASONABLE
FLORISTS' SUPPLIES
Immortelles and Moss Wreaths. Cycas and Calax Leaves. Fresh Cape Flowers.
Baskets, Jardinieres, Stands, Fern Dishes, also all Funeral Requisites, Doves, Inscriptions, Metal Designs, Dried and Artificial Flowers, and our Special Patent Ribbon Letters.
Ours is the largest Sheaf manufactory in the country. We give extra quality, extra weight.
Send for Catalogue. WHOLESALE ONLY.
H. BAYERSDORFER & CO.
56 N. Fourth St., PHILADELPHIA, PA.

M. RICE & CO.
Importers and Manufacturers of
FLORISTS' SUPPLIES
25 N. FOURTH STREET,
.. .. PHILADELPHIA, PA.
FALL CATALOGUE NOW READY.

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.
☞ A complete line of Wire Designs.

MOUND CITY CUT FLOWER CO.
Wholesale Florists.
CONSIGNMENTS SOLICITED
Special attention given to shipping orders
1322 Pine St, ST. LOUIS, MO.

WHOLESALE
CUT FLOWERS,
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THE BEST MARKET IN NEW YORK.

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" general variety in bulk per 100	2.00@3
Carnations	.25@ .75
Valley	1.00@ 2.00
Asters, per 100 bunches	.50
Gladiolus	.50
Adiantum	.50@ .75
Smilax	6.00@10.00
Asparagus	40.00@ 40.00
	BOSTON, Sept. 22.
Roses, Beauties	6.00@25.00
" Gontier, Perle	1.00@ 2.00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
Carnations	.50@ 1.00
Valley	2.00@ 3.00
Asters	.25@ .50
Gladiolus	.50@ 2.00
Tuberoses	.50
Pink pond lilies	1.00
Adiantum	1.00
Smilax	10.00@12.00
Asparagus	50.00
	PHILADELPHIA, Sept. 22.
Roses, Beauties	6.00@18.00
" Brides, Maids	2.00@ 5.00
" Meteors, La France	2.00@ 5.00
Carnations	.50@ .75
Valley	3.00@ 4.00
Single violets, per 100 bunches	2.00@2.50
Gladiolus	2.00
Tuberoses per 100 stalks	2.00@2.50
Asters	.25@ .50
Smilax	10.00@20.00
Adiantum	.50@ .75
Asparagus	35.00@50.00

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Cut Flowers AND Florists' Supplies
WHOLESALE.
67 Bromfield St., BOSTON, MASS.

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Space assigned to growers wishing to consign goods regularly.
Space to rent to growers wishing to sell their own goods.

Asparagus Plumosus Nanus.
Strings 10 to 12 feet long,
50 CENTS.
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49 WEST 28th STREET,
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SPECIAL EXTRA STOCK OF AM. BEAUTY, METEOR, BRIDESMAID, BRIDE.

Record Breaking Carnations
ALL THE YEAR ROUND.

American Beauty
and all other choice Roses in unexcelled quality.
Carnations, Mignonette, Orchids and Valley.
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FLORIST,
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Roses shipped to all points. Price list on application.

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Careful Shipping to all parts of the country. Price list on application.

JOHN YOUNG,
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The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

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VISITORS IN NEW YORK: W. Atlee Burpee, Jas. Vick, S. F. Willard (Comstock, Ferre & Co.).

THE Philadelphia *Times* of September 11, devotes three columns to a very interesting account of W. Atlee Burpee & Co's Fordhook Farm at Doylestown, Pa.

REGARDING THE OUTLOOK for seedsmen the coming season, Mr. Hugo Beyer, of New London, Iowa, writes as follows: "Business prospects for next season I find very good and the damage done by the government seeds the past season to seedsmen will be made good, has taught the people a very good lesson, a blessing is that supplied this section, they were no account, people can be fooled sometimes but not always; outcome of my business was much better than expected and future appears bright."

Cincinnati.

Mr. Chas. McCullough, of Second and Walnut streets, has leased for a number of years the warehouse formerly occupied by the Farmers' and Shippers' Tobacco Co., cor. Vine and Water streets. It is an enormous building 100 feet square and seven stories high. A large force of workmen has been kept busy the last four weeks in renovating and reflooring the building. This warehouse will give Mr. McCullough, in connection with his six-story plant at Second and Walnut streets, over 60,000 square feet for storage and other uses. New machinery will be put in and the necessary cleaning and preparing of grain and seed will be done at the new warehouse. It is a remarkable fact that this house sold over a half a million pounds of pop corn the past season. Mr. Ch. McCullough is one of the largest buyers of grain upon the floors of the Chamber of Commerce and found it necessary to secure additional room. When completed this will be the largest and most modern seed warehouse in the west. HY. SCHWARZ.

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Fall delivery. All standard sorts, introductions of 1896, and Novelties for 1897. (Order soon, crop is short). **CALIFORNIA GROWN:** Aster, Balsam, Carnation Marguerite, Centaurea, Cosmos, Dianthus, Freesia, Hollyhock, Lobelia, Mignonette, Nasturtium, Petunia, Smilax, Stocks and Verbena Seed in all **BEST** known sorts. Clean reliable, well selected seed from Best growers. Pkt., oz. or lb. **H. H. BERGER & CO., 220 Broadway, N. Y.**

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Importers and Exporters of

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Send for quotations on all Florists' Bulb Stock.



Send your address for my illustrated catalogue of these superb flowers.

M. B. FAXON, Boston, Mass.

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	Per 100
Beech, European, 5 to 6 ft.	$25 00
" " 4 to 5 ft.	15 00
" purple-leaved seedlings, 4 to 5 ft.	15 00
Berberis purpurea, 18 to 24 in.	2 00
" vulgaris, 18 to 24 in.	2 00
" Thunbergii, 12 to 18 in.	6 00
" " 6 to 10 in., 1 yr.	2 00
Elm, Ulmus Americanus, 8 to 9 ft.	15 00
Forsythia suspensa, 3 ft.	5 00
Pyrus Japonica, 3 to 4 ft., mixed.	6 00
Privet, California, 18 to 24 in., trans.	2 00
Symphoricarpus vulgaris, 15 to 18 in.	3 00
Viburnum opulus (tree cranberry), 3 to 4 ft.	6 00

	Per 100
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Hemerocallis flava, fulva, Dumortieri.	3 00
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" Japan, 10 sorts	4 00
Liatris scariosa	5 00
Lily of Valley, sod 3 inches square (not for forcing)	3 00
Pæonies, mixed per 1000 $40,	6 00
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SACRED LILIES.

One of the best selling bulbs for the retail counter.

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We have a few choice Japan grown **Lilium Longiflorum** left. Write for prices.

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Fall Bulbs

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PALM Seed. FRESH ON HAND

ALL SEASONABLE VARIETIES.

Prices for select seeds quoted on application.

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The LARGEST STOCK west of New York.

GEO. WITTBOLD, 1708 N. Halsted St., CHICAGO

Bulbs

Of any kind quoted f. o. b. at lowest rates, by

HULSEBOSCH BROS., Englewood, N. J.

PALMS.

CHEAP.

Nice, bushy plants, grown for home trade

LATANIA BORBONICA. Per 100

3-inch pots, showing character leaves, $10 00
4 inch pots, 12 to 15 inches high, 25 00

ARECA LUTESCENS.

3-inch pots, $10 00
4 inch pots, 15 to 18 inches, 25 00

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3 inch pots, nice bushy plants, $10 00
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FERNS Assorted.

2-inch pots, $ 4 00

CASH WITH ORDER

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CYPERUS ALTERNIFOLIUS.

2½ inch pots . . . . . 40 cts. per doz.; $2.50 per 100

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2½ inch pots . . . . . 40 cts. per doz ; $2 50 per 100

ASPARAGUS TENUISSIMUS.

3 inch pots . . . . . 50 cts. per doz.; $3.50 per 100

CALIFORNIA VIOLETS.

Field grown . . . . . $4.00 per 100

CARNATIONS.

Mapleda'e (new) . . . . . $8.00 per 100

Medium sized plants of the following standard varieties, $4.00 per 100: Portia, Wm. Scott, Della Fox, The Stuart, and Tidal Wave.

NATHAN SMITH & SON, Adrian, Mich.

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MARIE LOUISE.

Healthy stock. Good plants—never had better.

FIELD-GROWN CARNATIONS.

STANDARD VARIETIES. No disease.

400 extra good 2½-in. **SMILAX PLANTS.**

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BOUGAINVILLEAS.

Beautiful for "cutting" or pot sale.

Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests.

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2-in. pots,	$	$10.00
3-inch pots, 12-15 inches high,		15.00
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4-inch pots 10-12 inches high, 7 leaves $4.50 $35.00

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5 in. pots, 10-12 in. high, 7-8 leaves, $1 each, $12 doz.
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ALSOPHILA AUSTRALIS.

3-inch pots $1 50 per dozen; $10.00 per 100

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ASPIDIUM TENSIMENSE.

3-inch pots. $8 00 $75.00

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2-inch pots. $4 00 $35 00

PITCHER & MANDA,

JOHN N. MAY, Receiver. SHORT HILLS, NEW JERSEY.

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FIRST-CLASS FORCING ROSES.

Fully equal to those sent out the last four years, first-class in every respect. Only selected growth from flowering shoots used in propagating.

250 METEORS, 700 PERLES, 550 SUNSETS, 750 KAISERINS,
700 LA FRANCE, 400 SAFRANO, 200 GONTIER,

3-inch pots, $5.00 per 100.

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FERNS.

We make a Specialty of small Ferns for the Fall trade.

Write for special prices on large quantities. Order early.

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ROBERT CRAIG,

Roses, Palms,

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Novelties in Decorative Plants

MARKET AND 49th STREETS,
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HARDY

Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA.

PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

CYCLAMEN GIGANTEUM.

3-inch pots . . . . $ .75 per doz.; $ 6.00 per 100
3½ inch pots . . . . . 1 25 per doz.; 10.00 per 100
5 inch pots . . . . . 2.25 per doz.; 20.00 per 100

Cash with the order please.

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BOUVARDIAS—Double pink and white, fine plants from open ground, $5 00 per 100.

CARNATIONS—Fine assortment, field-grown, $5 00 per 100.

SMILAX—Strong, 2½-inch, $2.50 per 100; $15.00 per 1000.

AMPELOPSIS VEITCHII—Strong plants from 4-inch pots, $6 00 per 100.

Send for Fall Trade List.

VICK & HILL CO., ROCHESTER, N. Y.

ROSES. ROSES.

Good, strong plants from 2½-inch pots.

	Per 100
BRIDES and BRIDESMAIDS, -	$2.00
PERLES and METEORS, - -	$3.00

CASH WITH ORDER.

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THE FLORISTS' FERTILIZER.

Made by steam process from pure night-soil (liquid and solid matter), not adulterated with absorbents. Fully matured, and combines all the necessary elements for the fertilization of the soil and nutriment of plants. Quick in action. Ground fine and pleasant to handle.

STANDARD FERTILIZER CO.,
1822 Filbert Street. PHILADELPHIA.

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

Rochester, N. Y.

TRADE UNSETTLED. — STOCK PLENTY — FALL PLANT TRADE PICKING UP.—THE STATE FAIR.

The retail trade in cut flowers is very unsettled yet. One week it is very dull and then again a lively demand sets in for a few days. Stock is very plenty at all times, though the continued dry weather has lowered the quality of outdoor stuff. Usually the storekeeper is decidedly caretul now in buying his daily supply, carrying only a light stock of the perishable goods. For the past week business has been improving once more, little September weddings and small decorations were in order, so our florists were not idle altogether and the fall plant trade too is slowly beginning to pick up. Small sized palms, dracænas and ficus are in demand and fern dishes are coming in faster than ever to be filled on short notice. It is too early in the season for flowering plants to be in brisk demand; occasionally a lily or a begonia of some sort is disposed of but foliage plants, palms or ferns take the lead. Judging by the display of such plants in the storewindows we must come to the conclusion that the growers have exerted themselves this year more than ever to produce only first-class stock, for the plants are all remarkably fine and healthy.

The Western N. Y. State Fair closed last Friday. It was a success financially, the attendance being very large on each day. Floral hall as usual was well patronized by the public, but though the tables were all closely occupied, competition was not very sharp. The inducements in premiums offered are small in comparison with those of other similar societies of the same standing. In the fruit department they are more liberal, but flowers and plant premiums have been reduced so low that it is difficult for the superintendent to find florists who will exhibit in this class. No extra exertions are made by any one to bring forward their best plants, they merely make up the number and varieties required and it is looked upon as a favor if they compete at all. Under these circumstances the writer refrains from all comments on the exhibition, although there were a few specimens in the hall which were worthy of mention and the cut flower show was very large and varied. K.

PATERSON, N. J.—The Paterson Florists' Club held a meeting on the evening of September 15. Vice-president Phelps gave an interesting talk on pertinent topics and invited the members present to a banquet. It is expected that a public exhibition will be given next year under the auspices of the club.

NEWPORT, R. I.—Joseph Gibson, the faithful gardener at the Morgan estate, died suddenly on the evening of September 3. He was the uncle of the popular Gibson Brothers, of Bellevue avenue.

DECATUR, ILL.—Mrs. Katherine Daut has enlarged her glass surface and will do a regular florist business in addition to vegetables. Joseph Charonne is foreman.

ROSES. Extra fine stock, clean and healthy.

BRIDE and BRIDESMAID, from 2½-inch pots, $20.00 per 1000; $2.50 per 100.
BRIDE and BRIDESMAID, from 3½-inch pots, $35.00 per 1000; $4.00 per 100.
KAISERIN, $3.00 per 100.
SMILAX PLANTS, $1.50 per 100.
TERMS CASH.
NATIONAL PLANT CO., Dayton, O.

CARNATIONS. 50,000 strong and healthy field-grown CARNATIONS.

WM. SCOTT, ROSE QUEEN, TIDAL WAVE, ALBERTINI, NANCY HANKS, PORTIA, LIZZIE GILBERT, CORSAIR, STORM KING, IVORY.

$3.00 per 100; $25.00 per 1000. No order for less than 100 accepted.

REINBERG BROS., 51 Wabash Ave., CHICAGO.

4 Acres Field-Grown Carnation Plants, 94,000.

Our carnations are grown with the greatest care, and are first class plants. Free from disease. We pack light by our improved system of packing, by which we can send them to all parts of the United States and Canada in perfect condition.

CRIMSON SPORT	IVORY $1.50 per dozen.	DEAN HOLE $8.00 per hundred.	BUTTERCUP
BRIDESMAID, DAYBREAK	ALBERTINI, BRIDE OF EARLESCOURT $1.25 per dozen.	$8.00 per hundred.	CHESTER PRIDE, NICKELSON
SWEETBRIER, LIZZIE McCOWAN, MRS. CARNEGIE, L. L. LAMBORN	SILVER SPRAY, PORTIA, MRS. FISHER, GRACE WILDER $1.00 per dozen.	$5.00 per hundred.	PURITAN, WM. SCOTT, ROSALIND $45.00 per thousand.

J. L. DILLON, BLOOMSBURG, PA.

ROSES Clean, strong and carefully grown. Delivered free in New York or Philadelphia.
AMERICAN BEAUTY, 3½-inch $8, 4-inch $12 per 100. BRIDESMAID, PERLE, METEOR, KAISERIN, BRIDE, LA FRANCE, 3½-inch $5.00, 4-inch $6.00 per 100. Special rates on quantities.
SMILAX, $1.00 per 100. ASPARAGUS PLUMOSUS. CALIFORNIA VIOLETS.
A. S. MacBEAN, Lakewood, N. J.

Field Grown CARNATIONS

Good and healthy stock, $5.00 per 100; $45.00 per 1000. Cash with order.

500 Albertini,	500 Storm King,
1500 Alaska,	200 Triumph,
500 Craig, extra fine,	500 Tidal Wave,
500 Peachblow,	500 Della Fox,
1000 Scotts,	1000 Fisher, extra,
1500 Rose Queen, extra,	200 Bridesmaid,
300 Meteor,	500 Eldorado,
1000 Daybreak,	300 McGowan.

E. HIPPARD,
YOUNGSTOWN, O.

VIOLETS
Marie Louise, and California.

Strong, well established, clean, healthy plants, from 4-inch pots, at $4.00 per 100. Field-grown clumps of California at $5.00 per 100.

Carnations.
Daybreak, Silver Spray, Rose Queen, Garfield and Portia.

Clean, healthy, field-grown stock, at $4 per 100. Samples mailed on receipt of 10c to cover postage.

L. L. MAY & CO., St. Paul, Minn.

Surplus Carnations.

I have 2000 CARNATIONS, field-grown, at $4.00 per 100, in the following varieties:

200 Tidal Wave	200 Wm. Scott
200 Daybreak	200 Meteor
100 Bridesmaid	400 Minnie Cook
300 Rose Queen	400 McCowan

SEND FOR SAMPLES.
W. A. WETTLIN, Hornellsville, N. Y.

ASPARAGUS PLUMOSUS PLANTS.
3-inch..... $8.00 per hundred.
4-inch..... 10 00 per hundred.

FIELD-GROWN CARNATION PLANTS.
Portia, Hector, McGowan, T. Cartledge, Daybreak, Fisher, 4000 Alaska, $5.00 per 100. CASH WITH ORDER.
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MAYOR PINGREE,
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We do not claim to have everything; but we do claim to have the finest stock of CATTLEYAS. Just what the American Florists want.
Established plants by the dozen or the hundred, and we also expect an early arrival of CATTLEYA LABIATA. Write for particulars to
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Orchid Growers and Importers, SUMMIT, N. J.

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PHILADELPHIA—The finest crimson.
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1000 WM. SCOTT, 500 TIDAL WAVE,
1000 PORTIA, 300 L. McCOWAN.
Strong, field-grown plants.
JAMES C. MURRAY, 401 Main St., PEORIA, ILL.

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McCowan, Scott, Daybreak, Buttercup, Eldorado, Portia, A. Webb, Louisa, Kitty Clover. Good healthy plants $4 per 100; $35 per 1000.
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VIOLETS.
MARIE LOUISE, CZAR AND SWANLEY WHITE, strong, field-grown and healthy.
1st size, $30.00 per 1000; $4.00 per 100.
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Single Violets.

	Per Doz.	Per 100
Princess de Galles	$1.00	$7.00
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IMPORTANT NOTICE:—All plants are healthy, not diseased nor degenerated; each kind true to name. All stock grown in cold frames without artificial heat of any kind.

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All good kinds furnished on application.

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CARNATIONS

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STANDARD VARIETIES, 1st size,	$7.00
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Rooted cuttings of Mme. Bruant and Fleur Poitevine, $3.00 per 100.

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Strong plants. Will close out cheap.

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SMILAX, fine plants at $1.25 per 100; $10.00 per 1000. Sample for 10 cts.

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2000 McGOWAN,
1000 ARMAZINDY,
700 ABUNDANCE,
500 PORTIA,
300 ALASKA,
500 CARTLEDGE,

5c. EACH.

3000 TRIUMPH, the best pink in every particular I ever grew, at $7.50 per hundred.

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Border Geranium "MARS," doz. $1.50;	15c
Canna BURBANK, strong clumps	$1.25
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CARNATIONS.

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Field-grown, $4.00 and $5 00 per 100.

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CARNATIONS

LARGE FIELD-GROWN PLANTS.

MAYOR PINCREE, MORELLO, MAUD DEAN, LILY DEAN, HARRISON'S WHITE,	Per doz. $1.50 Per 100 $10.00
JUBILEE	Per 100 $8.00
DELLA FOX, DAYBREAK, ELDORADO, EMILY PIERSON, IVORY, LIZZIE McGOWAN, MINNIE COOK, PORTIA, ROSE QUEEN, SILVER SPRAY, TIDAL WAVE, WM. SCOTT,	Per 100 $6.00 Per 1000 $50.00

Send for Special Price List on Palms and Ferns.

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JUBILEE CARNATIONS.

Growing in 3-inch pots, at $10.00 per 100. Quantity limited.

Cash with order.

EDWIN LONSDALE,

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MORELLO

Field-grown, at $1 50 per dozen; $10.00 per hundred.

HOPP & LEMKE, Paul P. O., Mich.

The Cottage Gardens,

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SPECIALTIES IN

CARNATIONS, CHRYSANTHEMUMS, CANNAS, GERANIUMS, DAHLIAS.

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Wholesale Florists

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CARNATIONS, Strong, field-grown, healthy stock. Wm. Scott, Tidal Wave, Edna Craig, Rose Queen, McGowan, Mrs. Fisher, Hinze's White, Portia, E. G. Hill, Emily Pierson, $4 per 100; in orders of 500 to 1000, $30. Swainsona alba, strong 4-inch pots, $1.50 per doz. Roses, extra strong, Perle and Bridesmaid, 3-in. pots $5 per 100. Bride, Brideswald, Perle, Sunset, Niphetos, Wootton, Siebrecht and Morgan, fine, strong, healthy plants from 2½-inch pots, $8 per 100.

I will exchange for Dbl. Violets and H. P. Roses.

JOSEPH HEINL, Jacksonville, Ill.

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Syracuse, N. Y.

DATES FOR CHRYSANTHEMUM SHOW.—SCHEDULES READY.—A HORTICULTURAL FLOAT.—MARKED IMPROVEMENT IN BUSINESS.—TROUBLE WITH ASTERS.—FEW CARNATIONS HOUSED.—POOR EXHIBITS AT THE FAIR.—BUILDING.

At a recent meeting of the Central New York Horticultural Society it was decided to hold their annual chrysanthemum show November 9 to 11, in the Alhambra Rink, and everything seems favorable for a good display. The schedules are ready and can be obtained by applying to the secretary, Mr. D. Campbell, gardener to Major Alex Davis, this city. It was also decided that the above society have a float in the procession on the anniversary of the city's semi-centennial, which occurs October 12. Arrangements have been made for one on an elaborate scale representing every branch of horticulture.

It is pleasant to chronicle a marked improvement in business the past week as the past few have been very dull indeed. Trade over the counter has been quite brisk and there has also been quite a call for funeral work both from the city and surrounding towns. Roses are in good demand with the supply not anywhere equal to it. Home grown stock is beginning to come in in small quantities and is of fine quality for the season fetching $1 per dozen. Carnations are also very scarce. Annuals, especially asters, are very abundant but the extreme heat and dry weather has told greatly upon them. The fine Semple's variety, of which a great many have been grown, has for some reason with the majority of growers given anything but satisfactory returns this year, it being a hard matter to get perfect blooms from them.

There are not many carnations housed at present on account of the hot spell and the majority of the plants in the field are much smaller than last year. Roses have been more largely planted and look exceedingly well all around. It is safe to say quite double the number of American Beauty has been planted than previously. This variety is becoming a more popular favorite here every year and is always in demand.

The exhibits of flowers and plants at the Onondaga County Fair held here September 7 to 10, were far below those of last year in regard to quantity and quality. There is no doubt the fault can be attributed to the extremely poor premiums offered. H. Bellamy and C. Barson were the judges.

Gustave Bartholme has added two more houses to his plant at Woodlawn, 100x20 and 100x10 respectively, for growing bedding plants, his trade having increased very largely in that direction last spring. Peter Kay has also built a rose house 80x16 feet, three-quarter span.

ALPHA.

50 HYDRANCEA OTAKSA, 6-inch pots, for $7.50 or $2.00 per dozen.

200 VINCA VARIECATA—Field-grown, $5.00 per 100

1000 CARNATIONS—Rose Queen, extra fine, $5.00 per 100; $45.00 per 1000.

300 CREVILLEA ROBUSTA, 3 in., 8 to 10 inches high, fine, $5.00 per 100.

300 DRACÆNA INDIVISA, 6-inch, pot-grown, strong 20 to 24 inches high, $20.00 per 100

ADIANTUM CUNEATUM, 3-inch, strong, $8.00 per 100.

PANDANUS UTILIS, 4-inch, $5.00 per doz.; $25.00 per 100

CERANIUM MME. BRUANT, $5.00 per 100, rooted cuttings.

FICUS ELASTICA, 5-inch, 15 to 18 inches high, $6.00 per dozen; $45.00 per 100.

FICUS ELASTICA, 6-inch, 18 to 24 inches high, $9.00 per dozen; $60.00 per 100.

☞All stock in A No. 1 condition.

CARL HAGENBURGER, Florist,

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ROSE HILL NURSERIES.

JUST ARRIVED

DRACÆNA CANES

For Propagating.

We are the largest Growers, Importers and Exporters of Dracaena Canes.

Dracæna Terminalis	**Dracæna Brazilensis**
" **Gladstonii**	" **Norwoodensis**
" **Metallica**	" **Stricta Gran.**
" **Youngii**	" **Imperialis**
" **Amabilis**	" **Regina**
" **Sheppardii**	" **Lady Hume**

Dracæna Titsworthii.

All canes are sound and in perfect condition. If ordering equal proportions of each of the above varieties we make a special for **IMMEDIATE DELIVERY,** 15c a foot. **ORDER AT ONCE.**

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(N. Y. Office, 409 5th Ave) NEW ROCHELLE, N. Y.

FIELD-GROWN CARNATIONS.

Clean, strong, healthy stock; all varieties.

PALMS AND FERNS.

Best commercial varieties and sizes; prices moderate.

CUT FLOWERS.

Large and fine stock always on hand.

WIRE WORK. Best workmanship; lowest prices.

BULBS. **Romans, Harrisii, Calla, Chinese Lily, and all Dutch Bulbs** now ready.

Send for our PRICE LIST. **ELLIS & POLLWORTH, Milwaukee, Wis.**

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CARNATIONS.

Rose Queen, **Silver Spray,**
Daybreak, **Portia.**

Fine, stocky, field-grown plants.

SMILAX.

A few thousand Smilax, good strong plants in 2½-inch pots.

VIOLETS.

Marie Louise, clean, healthy plants.

Write for prices.

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SWEET PEAS UNDER GLASS.

E. UTLEY, Sweet Pea Specialist,

264 Westmoreland Ave., TORONTO, CANADA.

I have saved a small quantity of **BLANCHE FERRY** Sweet Pea Seed especially for florists. My seed, when grown under glass last winter, produced 3 and 4 large flowers, perfect in color, on sturdy stems **14 to 16 inches long.** One florist realized over **$100** from one packet of my seed. Price 25c. per packet of 50 seeds, with full directions.

CINERARIAS

We have a large assortment of Dwarf, Large-Flowering Cinerarias. Our strain of this beautiful plant is conceded to be the best.

2½-inch, $2.50 per 100: $20.00 per 1000.

S. WHITTON & SON, Wholesale Florists,

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PRIMULA CHINENSIS, 2-inch pots ..... $2.50 per 100, $20.00 per 1000

PRIMULA, transplanted seedlings, from flats $1.50 per 100.

FERNS, 3-inch pots..... $5.00 per 100

CARNATIONS. Field grown Lizzie McGowan and Scott. Write for prices.

VIOLETS. Marie Louise, strong field grown. Write for prices

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SWAINSONA ..... $2.00 per 100

ABUTILON Souvenir de Bonn and Golden Fleece... $3.00 per 100

GERANIUMS. Rooted cuttings..... $1.50 per 100, $12.00 per 1000

C. LENGENFELDER.

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CARNATIONS, for fall delivery.
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SMILAX.
VIOLETS.

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Ferns. Ferns.

PTERIS TREMULA and ARGYREA.

Fine plants, $4.00 per 100. From flats, $2.50 per 100. Will exchange for Pandanus utilis, Marie Louise Violets, clean plants. Send samples.

TITUS BERST, Erie, Pa.

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THE ENTIRE STOCK OF PLANTS OF

PITCHER & MANDA, at Short Hills, N. J.

Will be offered for sale without reserve on **October 4th, 5th, 6th and 7th,** next. The stock consists of over **100.000 PALMS IN SPLENDID CONDITION,** in such standard varieties as **Areca Baueri, Areca lutescens, Cocos Weddeliana, Kentia Belmoreana, Kentia Forsteriana, Latania borbonica, Phœnix reclinata, Livistona rotundifolia, etc., etc. ALSO the finest stock of Adiantum Farleyense ever seen in this country,** and a general assortment of other **Ferns,** as well as a very fine lot of **Ornamental Foliage Plants** containing many choice things not to be found elsewhere.

Together with all the greenhouses, packing sheds, etc., and all the real estate, which will be sold in four distinct parcels as follows:

No. 1. Contains about 10½ acres, on which are located all the greenhouses, about 80,000 feet of glass, all in excellent condition; a good dwelling house, containing eight rooms; stable, store rooms, packing sheds, several hundred sash and frames, etc., etc. This is a specially favorable opportunity to purchase a well established Florist and Nursery business at a greatly reduced price, within three minutes' walk of the railroad station, and eighteen miles from New York City.

No. 2. Contains about 3 acres, with a good dwelling house on it, within 500 feet of the railroad station.

No. 3. Contains about 6½ acres, now used as an Herbaceous Nursery, and is well stocked with the largest and best collection of these plants in the country. Close to railroad station.

No. 4. Contains about 62 acres, well adapted for an excellent Nursery, Farm, or to cut up for building lots. This is situated on the main road between Short Hills and Summit, and one mile from each station.

☞ **For Catalogue containing full particulars write to**

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CLEARY & CO., Auctioneers, 60 Vesey St., New York City.

Hot-Bed

Sash.

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3 ft. x 6 ft., 3 rows 10 in. glass.
3 ft. 3 in. x 6 ft., 4 " 8 in. "
4 ft. x 6 ft., 5 " 8 in. "

Not glazed, 1¾ in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,
Lockland, Ohio.

PALMS!

Areca lutescens, Latania borbonica, Kentias, Cocos Weddeliana, Etc.

HARDY, HOME-GROWN, PERFECT PLANTS, LARGE STOCK OF ALL SIZES.

CALL AND SEE THEM. They will BEAR INSPECTION.

Wholesale List on application.

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ORNAMENTAL TREES AND SHRUBS.

Roses, Bulbs and Hardy Perennials

In Large Assortment and of Superior Quality.

Fully believe that we can show more Ornamental Trees and Shrubs, and a larger, finer block of Hardy Roses, Hybrid Perpetual Moss and Climbers of the leading popular varieties including the famous Crimson Rambler than can be seen elsewhere. We have 32 greenhouses, several of them devoted to Palms, Cycas, Ficus and Araucaria Excelsa. Personal inspection and correspondence solicited. Catalogue free.

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HIGH GRADE BOILERS.

STEAM AND HOT WATER

FOR GREENHOUSE WORK.

Write for catalogue and prices.

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VIOLETS. SMILAX.

Buy good, healthy stock, and make money.

VIOLETS Marie Louise, field-grown, large, and NOT A SPOT. have never been troubled with disease in this section. $4.00 per 100; $35.00 per 1000. 2nd size Violets will be $3.00 per 100; $22.50 per 1000.

SMILAX from 2 and 2½-inch pots, strong, cut back once, $1.25 per 100; $10.00 per 1000. ☞ Cash or good references with order please. Samples by mail 10c. Write for special price on large lots.

R. KILBOURN, Clinton, N. Y.

Sharon, Pa.

An event of unusual prominence occured during the past week when Miss Gertrude O'Brien, the eldest daughter of florist M. I. O'Brien, was united in marriage to Mr. F. L. Maloy, a successful young business man of Altoona, Pa.

The magnificent floral decorations, both at the Sacred Heart Church and at Mr. O'Brien's house, arranged for the occasion, eclipsed everything of the kind ever seen before in this city. The entire edifice was profusely decorated with lofty palms, asparagus, adiantums and American Beauties, while in the center aisle, about midway between the altar and vestibule, there were two floral gates, each 4x6, composed of the choicest roses and ferns, through which the bridal party passed. It was a unique as well as a most charming arrangement and will no doubt mark a new departure in church decorations here.

Miss Gertrude O'Brien, now Mrs. Maloy, I will remark in passing, is a charming young woman, of the blonde type, tall, graceful and stately, and her friends in this city and in the surrounding towns are legion. The wedding presents were numerous and of an expensive sort, including furniture, china, linen, pictures, silverware, cut glass and bric-a-brac.

Mr. O'Brien has the best wishes and hearty congratulations of his numerous friends in the craft, including HOMO.

Omaha, Neb.

DISPLAY AT STATE FAIR—THE AWARDS.—VISITOR.—THE CONVENTION.

The display in cut flowers and plants at the State Fair is good and creditable to the florists. Peterson Bros. made a fine display, as did B. Haas, L. Henderson and Paul Floth. The first prize on plants went to B. Haas. The first on cut flowers went to Peterson Bros., 2d to L. Henderson. First prize on best design went to Peterson Bros., 2d to L. Henderson. Paul Floth took two firsts on plants. The State Fair this year has been a success.

Business is good and stock is somewhat scarce.

Mr. P. Berkowitz, of Bayersdorfer & Co., called on us, and reports business good all over the west.

The florists of Omaha and all over the state are very much pleased at the prospect of having the honor of shaking hands with their brother florists from all over the U. S. next year, and promise them a good time. J. HESS.

MADISON, WIS.—A Milwaukee attorney has sent out notices of the voluntary assignment of Francis W. Bresee, the florist of this city.

ALBUQUERQUE, N. M.—The first annual fair of the New Mexico Horticultural Society was held here the week ending September 10. The display of fruits and vegetables was excellent.



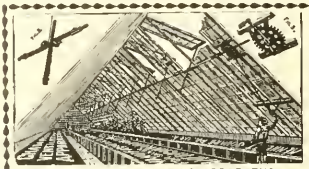
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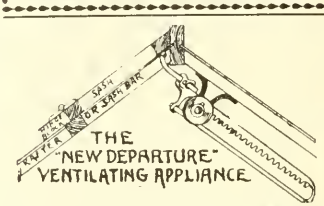
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GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Broadway, NEW YORK.

STANDARD FLOWER POTS.
Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.
A FULL LINE OF BULB PANS.
THE WHILLDIN POTTERY COMPANY, 713 to 719 Wharton Street, Philadelphia, Pa.
BRANCH WAREHOUSES: { Kearney and Westside Aves., Jersey City, N. J. / Jackson Ave. and Pearson St., Long Island City, N. Y.

STANDARD FLOWER POTS
Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.
A. H. HEWS & CO., N. Cambridge, Mass.

SYRACUSE POTTERY CO.
Manufacturers of
FLOWER POTS, BULB PANS, HANGING BASKETS AND SAUCERS
OUR Flower Pots are standard measure and all first-class and we assure you they will give good satisfaction. We call your attention to our new pots, 6, 7, 8 and 9-inch, called the "Poro Pot." They are more Porous than any pots, smoother inside and outside, perfect drainage, and are easily washed and cleaned. Give them a trial and you will not want any other. Remember, these Pots are as cheap as any other Pot on the market. Write for price list.
SYRACUSE POTTERY CO., SYRACUSE, N. Y.


CHAMPION VENTILATING APPARATUS.
IT'S EASY
to explain the popularity of the
Champion Ventilating Apparatus.
Light, Strong, Durable, Efficient and Convenient, it is a favorite everywhere.
Special inducements to those who answer this ad. Catalogue free.
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You can not get a **GOOD THING** for nothing. But the price of this apparatus is next to nothing. Send for price and description to
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Contains a vast amount of valuable reference matter in addition to the directory list
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FLOWER POTS.
We Manufacture all kinds of Flower Pots, etc. Making a Specialty of
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Send for price list and samples (which will be sent free and we know you will give us your order:
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Mention American Florist.

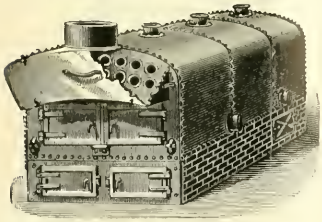
It costs 4 cents for each 600 feet of floor space.
Kill AND SAVE the BLOOMS Bugs!
Does not injure the most sensitive plants. Endorsed by
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by prominent florists. Used for fumigation or spraying indoors or out. 200 pounds of tobacco in one pint of Nikoteen. Sold by seedsmen. Circular free. SKABCURA DIP CO. CHICAGO.
Quickly Does It.

THE BEST FOR ALL Florists.
ROSE LEAF EXTRACT OF TOBACCO INSECTICIDE
FOR SALE BY Seed Stores.
For Free Pamphlet, write to
LOUISVILLE SPIRIT CURED TOBACCO CO.
Louisville, Ky

FOR SALE.
Standard Flower Pots
right from the manufacturers. Before buying pots write to us for Special Prices and Discounts. Our pots are red in color.
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213, 15, 17, 19, 21, 23 Pearl St., NORRISTOWN, PA.
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KROESCHELL BROS. CO.
IMPROVED
Greenhouse * Boiler,
29 to 59 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.
Mention American Florist.

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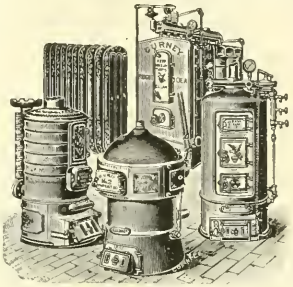
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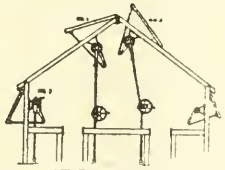


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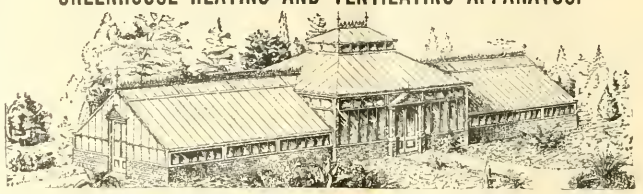
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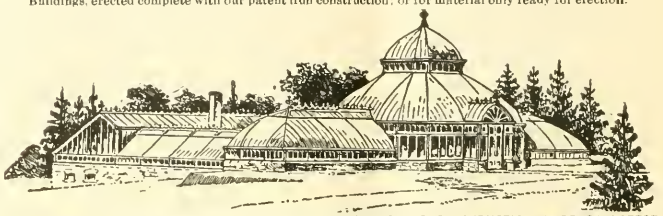
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Vol. XIII. **CHICAGO AND NEW YORK, OCTOBER 2, 1897.** **No. 487**

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The fourteenth annual meeting will be held at Omaha, Neb., August, 1898.

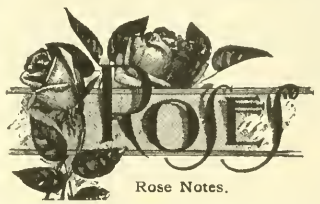
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CHAMPAIGN, ILL.—J. E. Yeats has added 22x36 to his palm house.

LAFAYETTE, IND.—F. Dorner & Sons Co. are building three more houses, two 22x125 for carnations and one 12x125 for other plants.

CEDAR FALLS, IA.—Jos. Bancroft & Son have just finished a new rosehouse 22½x80, packing shed 20x80 and a large chimney. They have also reset one boiler and added one new one of 35 horse power, using battery system.



Rose Notes.

I suppose the present condition of our young stock will in most cases indicate pretty accurately the measure of our success during the coming winter and spring; if our plants are healthy and vigorous, and the outlook is bright and rosy, we shall be proportionately happy, but if on the other hand the prospect is dark and cheerless we must take courage and hope for the best. It is surprising how many difficulties may be overcome when we are buoyed up by hope. Because a house of roses has not made the growth that with good culture we feel it should have made in a given time, we must not jump to the conclusion that it must inevitably prove a failure; instead of losing interest in it because of the discouraging outlook we should give it a little more thought and attention than is given to the other houses, and by close observation aim to discover what is lacking in the soil, or wrong in the treatment. For the encouragement of those who may have plants that are acting in this manner I would say that I have more than once seen benches of plants which at this season were much below the average, turn out in the end equal to the very best. I don't wish anyone to think that I would put a premium upon mediocre or inferior stock, or have them feel that they can escape the consequences of neglect and ignorance; but it sometimes happens when we have given a house of roses the best possible care that they fail to start up in a satisfactory manner, in such cases a word of encouragement is often very acceptable.

It is surprising what foolish and ridiculous expedients many men will resort to when they find themselves in a dilemma like this; every conceivable kind of experiment is tried in the hope of putting life and vigor into the plants, and the more unnatural the treatment adopted, the more sanguine they are of success.

A short time ago a brother florist who had just taken charge of a number of rose houses called upon me to ask advice; complying with my request for a plain statement of the case, he assured me that his roses in many respects were very fine, were very bushy, had large well colored and luxuriant foliage, that the root action was all that could be desired, that in fact they looked if anything too fine, but so far they had not produced many strong stout shoots, and the query was could they not be coaxed into, or compelled to throw up vigorously by drying them off, and after a season of rest starting them up again slowly. I of course advised him to let "well enough" alone suggesting that since they were in perfect health and were furnished with adequate roots they must in the very nature of things sooner or later make a vigorous growth. Had he put his plan into execution the probability is that he would have ruined the stock for the early part of the season at least, and might have lost his position in the bargain. Any experiment that will lead us away from nature is taking us in the wrong direction, and the following of such a course is almost certain to prove disastrous. If keeping the plants clean and free from all insect and parasitic pests, watching carefully the condition of the soil, and giving a little less or a little more water as may seem to be the best, supplying a congenial atmosphere at all times, and possibly a little enriching of the soil, will not insure a satisfactory growth, then I think there is little hope.

As intimated in a previous article we usually give all our tea roses about this time a mulch consisting of from one-half to one inch of well decayed manure and soil in equal quantities. Unless the plants are well supplied with these ingredients we usually give a light sprinkle of wood ashes and fine bone before spreading the mulch, and in case there is a deficiency of calcareous matter we supply the lack with a dusting of air-slacked lime. It is my opinion that lime might be used with advantage much more freely than at present, especially on heavy soils where it is often more valuable than manure.

The sudden and extreme changes in the weather, one day very warm and the next cold, sometimes too warm at night to give fire heat, but often very cool the following morning, should make us very careful how we ventilate, and also how we leave our boilers at bed time. The successful rose grower needs to be somewhat of a weather prophet at this season of the year.

Mildew must be held in check at any cost; the man who is watchful and faithful won't have any, but if we have been careless and have got a dose no time should be lost in not only dusting the foliage with sulphur but also painting the heating pipes with sulphur and lime.

After we commence cutting flowers the fumigating of such varieties as Perle, Niphetos and all of the Mermet family will not be permissible otherwise damaged blooms will result. Perhaps the cheapest and simplest device after all for keeping down greenfly during the winter is the old and well tried one, namely, good fresh tobacco stems distributed through the house.

ROB'T SIMPSON.

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Carnation Notes.

SUPPORTS.

New methods of supporting the plants will soon be as numerous as new varieties. All think they have reached perfection, but in fact there is not one method yet to be called perfect. This part of the carnation culture advances hand in hand with the other improvements, but there are principles that can never be violated with impunity. Among these the first is an unimpaired freedom of growth, as the habit of the variety dictates. We all know how different these habits are, and generally those that are most difficult to handle we would not like to part with.

Among these I will mention Daybreak, and will call it the Daybreak type. The straggling growth typical of this variety will not yield to any tying or bunching in a given space without injury. The reverse of this type are the varieties with a short bushy growth, and here I will name Bridesmaid, or one of the older varieties, Garfield. These are much easier to handle, but are more apt to be late bloomers or to come in crops. Between these two extremes are numerous varieties leaning more to one side or the other. We see that the most unwieldy ones to support are the most desirable as regards early, free and continuous blooming, and I have always found these characteristics in most of my seedlings of this type.

I said in my last notes that a dry and light atmosphere is healthful to the plants, and a moist soil will make them grow. I may ask what is the object of a support when we let the plants grow at will. In the first place I think they would hardly need any support in the field, but the increased and softer growth under glass makes it a necessity. Plenty of fresh air, so essential to the welfare of the plants, should have access to all parts of the plant, and it needs it in a full measure to keep the foliage dry in such close proximity to a moist soil. So the first object of a support is to hold the plants up from the soil, on which they would unavoidably rest, and secure a circulation of air underneath.

Now, to draw the body of the plant together with a string, or as some of the wire supports do, is in my opinion jumping from the frying pan into the fire. The crowded center, the strongest part of the plant, is worse off than the outer branches when resting on the soil; in either way the circulation of air is shut off and the disease inviting dampness retained. What will free ventilation amount to when the plants are bunched and tied up like a inverted broom. Every branch wants its share, and continuous bloom can only be expected when a plant is not hindered in its natural development.

The other object of a support, independent of the support for the body of the plant, is to support the flower stems. In the desire for long straight flower stems the body of the plant, from which they emanate, is often neglected, and the future development impaired. Large flowers on long strong stems are what we aim for, but we must first strengthen and support the plant to produce them. More on this theme in my next notes.

FRED DORNER.

Snails in Carnation House.

We have been bothered with snails in our carnation houses for years. How can we get rid of them? So far the only way we know of is to catch them at night, that being the time they come to feed. We generally find them eating the center out of a flower. We catch thousands of them ranging in size from that of a pin head to six inches long and as thick as one's finger. We have not been able to exterminate them from any one place and they prove very destructive.

B.

I think that if Mr. B. will thoroughly clean his houses both on and under the benches, then fumigate with flour of sulphur at least three or four times before planting he will eradicate his trouble. The sulphur is death to all insect life. I fumigate all my houses in that way every season before planting and am never bothered with snails. ERNST G. ASMUS.

Snails spend the day under the benches in damp places, under boards and on damp pots, in crevices out of sight. Moral: Clean the ground under the benches and every other place where the snails are apt to be. Snails do not like salt as it will kill them if they come in contact with it; do not put the salt on the benches as it is not good for the carnation except in limited quantities. It would be a good plan to make a shelf two inches wide around the bench and upon this put a thick layer of salt. Do not stop hunting at night as this is the surest way to exterminate the snails.

CHAS. H. ALLEN.

Herbaceous Plant Notes.

It was a surprise to many visitors to the Western N. Y. State Fair, September 14 to 18, to find such a large and varied collection of hardy flowers exhibited in floral hall, and as many of your readers are interested in herbaceous plants a list of their names may be useful and instructive to the beginner in more than one way. The collection includes the names of many species which are flowering a second time in the season, but the majority are regular summer and fall bloomers and can be relied on to flower at this time of the year.

First there was a great variety of hardy asters among them the beautiful deep pink A. novæ angliæ rubra, the dense flowering A. ptarmicoides, A. amellus bessarabicus, the dwarf A. Mme. Seguire, also A. alpians, which is really a summer bloomer but is now again in flower. The dracocephalums were represented in four varieties, altaiense, grandiflorum, austriacum and Ruyschianum. Besides the regular hardy garden carnations, a number of other dianthus were exhibited, most all of them, laced species like D. arenarius, D. petreus, D. superbus, also the deep colored D. liburnicus. The showy Rudbeckia hirta was in excellent shape, so was R. speciosa or Newmanii, R. pinnata, R. laciniata Golden Glow, R. maxima, R. purpurea and R. amplexicaule; the three last a little past their best. Hypericum elegans, H. Moserianum and H. patulum were plentiful. The Japan anemones were shown on very long stems and A. sylvestris was in flower for a second time this year. The scarlet pods of Physalis Alkekengii and the newer P. Franchettii made a grand show.

Hollyhocks in variety loomed up between a mass of Euphorbia corollata. The curious satiny flowers of Carlina acaulis were admired by many. Saponaria officinalis fl. pl. and the deep colored S. caucasica fl. pl. could be noticed in large bunches; the last named is very bright and deserves recommendation. Delphiniums were in flower a second time; the panicles are smaller than those of the first crop; the same may be said of Veronica spicata, V. incana and V. amethystina, while V. virginica had large spikes but was almost past its best. Lychnis vespertina plena and L. semperflorens plenissima are always in flower, and no wonder we saw large generous bunches of them. Gypsophylla paniculata was loosely spread over the steel blue Commelina cœlestis. C. cœlestis alba also had its admirers. Both of these flower all summer, but require protection in winter with us. The slender spikes of Reseda glauca looked very pretty in a glass jar by themselves.

The large yellow Linaria dalmatica and the small purple flowered L. purpurea were put up intermixed together. The dwarf L. alpina was shown as a pot plant because the densely flowered sprays are too short to be cut. Sagina pllifera and several arenarias were exhibited in the same way. Œnothera Fraserii and Œ. Youngli are fine yellows, Œ. speciosa and Œ. taraxacifolia are whites, and Œ. rosea is a bright deep rose colored species, the last named a very dwarf grower. Long spikes of Sidalcea malvæflora and S. candida were springing from a base of Tunica saxifraga; Scutellaria alpina and S. a. cœrulea were near by. A large bunch of the coral red Heuchera sanguinea created quite a sensation and the trailing Antirrhinum asarina with its pale sulphur flowers was admired greatly. Five different armerias were shown; the large heads of A. cephalotes were conspicuous, though A. dianthoides, A. Laucheana, A. plantaginea and A. maritima are all desirable. Centranthus ruber, alba and sanguinea came next, followed by a bunch of Physostegia virginica, but this latter was on the wane. Beautiful tall panicles of Campanula pyramidalis towered above C. rotundifolia, C. muralis, C. trachelium fl. pl., C. Van Houtteii, C. persicifolia cœrulea and alba; the last four are out of season, but C. carpathica in three varities are as good now as they were two months ago.

Pentstemon barbatus, P. Murrayanus and P. pubescens were plentiful. Antennaria margaritacea begins to show decay in the center. Centaurea montana, C. m. alba and C. dealbata are not scarce in September, and Statice latifolia is in splendid condition. S. sinuata flowers all summer, but requires protection from the cold. The bright red flowers of Stachys coccinea are quite showy, though the plant itself does not succeed in all localities. Lythrum Græfferii with its many lilac rose flowers blooms constantly, but should be cut down about August 1, to get a fresh growth on the plants. Coreopsis lanceolata and the larger flowered C. monstrosa are both good now. The tall C. tripteris was also there on very long stems. Silene maritima fl. pl., S. Schaftæ and the pretty S. quadriauriculata are very dwarf plants, yet they were shown in a cut state in little jars. Polygonum affine and P. cuspidatum are both desirable white flowered species; P. amplexicaule and P. sachaliense are tall but very ornamental.

Among the many gaillardias the large flowered G. Vivian Grey was one of the most conspicuous; it is a pure yellow with very broad petals. Several flowers of the dark crimson G. James Kelway measured 5 inches across and G. Buffalo Bill with



THE NEW CONSERVATORY AT WASHINGTON PARK, CHICAGO.

its tube shaped petals was not much behind in size of flowers. Helenium autumnale, H. pumilum and H. grandiflorum superbum were a grand show. Salvia farinacea and S. pratense were very good. Clematis paniculata was there in long sprays, and the blue hyacinth-like bells of C. Davidiana were mixed in with them. Catananche cærulea and C. bicolor are free bloomers at all times. Dicentra formosa and D. eximea the same, and generons bunches of them were cut. Montbretias in several colors showed well in the glasses. Anthemis tinctoria and Kelwayii were there and a few sprays of Spirea lobata and the pretty S. filipendula pl. could also be noticed, but they were out of season. Epilobium angustifolium, E. a. album and E. hirsutum, were still good. Funkia grandiflora, F. undulata media picta, F. Sieboldii and F. ovata were exhibited with their foliage. Sedum spectabile was shown in large heads and Chelone barbata, C. obligua, C. o. alba, C. glabra and C. Lyoni were all represented.

Long spikes of Cimicifuga racemosa and the late flowering Astilbe Thunbergii were plentiful. Platycodon grandiflorum and the dwarf P. Mariesii were good, but it is a little late for them. The second flower crop of Trollius europæus and T. asiaticus seems to be as large as the spring crop and the flowers are of good size. Scabiosa caucasica and S. ochroleuca hold out much later than this. Malva moschata and M. m. alba, Lobelia cardinalis and the blue L. syphilitica could be seen in good spikes, though they would have been far better if the weather had not been so dry lately. Achillea ptarmica plena, A. aurea and several of the millifolia varieties were good. Verbena venosa the same and a few spikes of Digitalis ambigua as well as D. purpurea, though out of season, were very large.

Ophiopogon Jaburan fol. var. was just right for cutting and Caltha palustris major, in flower a second time, was very plentiful. Three different geraniums and the pale yellow fall blooming Polemonium flavum were next to them. Agrostemma coronaria and A. flos-jovis, together with Callirhoe involucrata in large bunches, greatly assisted in brightening the collection. Chrysocoma linosyris among Aconitum napellus, A. japonicum and A. autumnale looked well. Pyrethrum roseum was there in named varieties, but this was a second crop, which can not always be relied on. Viola cornuta in several varieties showed the effects of the recent hot spell and the flowers were small. Agrimonia eupatorium in long thin spikes filled a large jar. Then came a collection of helianthuses; prominent among them was H. orgyalis and H. lætiflorus. Lathyrus latifolius and L. l. albus, Papaver nudicaule, red, white and yellow; monardas, two heliopsis, boltonias, several hibiscus, Plumbago larpentæ and a host of phloxes finished the collection. Far more Phlox suffruticosa varieties were on exhibition this year than ever before.

Two hundred and seventy-five species and varieties of hardy herbaceous plants were shown here and the collection might have been much larger, for many of the fall blooming plants were not represented at all. J. B. KELLER.

Wintering Pansies in Open Borders.

A few years ago we were timid about this and experimented with but a few and made some blunders by planting so late in autumn that they did not have growing weather sufficient to spread new roots around in the soil and consequently were drawn up badly from the ground, freezing and thawing, and by spring many had perished.

We now prepare our beds in October by digging deeply and breaking up all lumps; after raking level a fair covering of pulverized stable manure is put on and the plants set in rows 6 or 8 inches apart, plants 4 inches in the row. By planting in October they will get a good start before the ground freezes and the manure mulch will go a great ways to modify the extremes of freezing and thawing in the absence of snow, which is the case the greater part of our winters here.

In sections where there is more constant snow the wintering of pansies is attended with less risk than with us, yet we have succeeded well the past two seasons by planting timely using good sturdy plants, as soft plants from crowded frames would have a poor chance. Planting in rows will allow a better chance to mellow the soil in the spring and will make it convenient to use out every other row or every third one to give plenty of space for plants to expand for later needs. Altogether we save expense of cold frames, we get stockier plants and in bloom in time enough for general outdoor bedding.

Lancaster, Pa. D. K. HERR.

New Conservatory at Washington Park, Chicago.

The accompanying engraving is from a photograph of the new conservatory recently completed in Washington Park, Chicago. The view is of the Cottage Grove avenue front, as this view best shows the size and form of the new building. The park front will of course be much the handsomest but trees will have to be removed and other changes made before that view will be available.

The two end domes are each 53x63 feet and 32 feet high. The center dome is 59x82 and 45 feet high. The two connecting curtains are each 39x114 and 25 feet high. The contract price was $32,000. The Evans Challenge ventilators are used throughout and Mr. Kanst expresses himself as exceedingly well pleased with them.

The conservatory contains a very large amount of space and the plants formerly so crowded will not only now have abundant room but many new plants are being added. All the large palms and similar decorative plants will be planted out in permanent beds. Mr. Kanst is now very busy at this work. When the planting is completed we expect to give some views of the interior. The conservatory will be open to the public about November 1.

Some Useful Ferns.

I would like to learn through the FLORIST the names of some useful ferns, particularly for fern dishes, easily raised from spores. And where can the spores be bought? S.

The following list includes about a dozen of the most useful ferns for fern dishes, all of which are readily obtainable: Pteris serrulata, P. serrulata cristata, P. cretica magnifica, P. cretica albolineata, P. adiantoides, P. palmata, P. Victoria, Lastrea (or Aspidium) aristata var., L. opaca, L. Sieboldii, Cyrtomium falcatum, Davallia tenuifolia stricta, Onychium japonicum, and Adiantum cuneatum.

Spores of these ferns can be had from several of the large eastern seedsmen, but as the germination of such spores cannot

be guaranteed, it is usually more satisfactory to grow on a few stock plants to furnish a home supply, thus making sure of fresh spores.

In the meantime we would suggest communicating with some of the large fern growers whose advertisements appear in the columns of the FLORIST, and from whom spores of some species might be purchased for a beginning.

W. H. TAPLIN.

Chrysanthemum Society of America.

The committees judging new seedlings will be in session October 2, 9, 16, 23, and November 6, 13, 20, 27. Exhibitors should make their entries (for which a fee of $2 is charged for each variety entered) to the secretary not later than Tuesday of the week the blooms are to be shown. Blooms forwarded to any of the following addresses, express prepaid, will receive careful consideration:

BOSTON.—A. H. Fewkes, Horticultural Hall.

NEW YORK.—Eugene Dailledouze, care of Dr. F. M. Hexamer, Madison Square Garden.

PHILADELPHIA.—Edwin Lonsdale, 1514 Chestnut street.

CINCINNATI.—R. Witterstaetter, corner 4th and Walnut streets.

CHICAGO.—W. N. Rudd, Room 202, 185 Dearborn street.

SILVER CUP.

The Chrysanthemum Society's silver cup to be offered annually will be awarded to the best 6 varieties 6 blooms each, (36 blooms). The first cup will be competed for October 21. Competitors should forward their blooms, express prepaid, to Dr. F. M. Hexamer, Madison Square Garden, New York City. Open to all; no entry fee. Those desiring further particulars address ELMER D. SMITH, Sec'y,
Adrian, Mich.

Tulips the Second Year.

In the fall of 1895 we planted a tulip bed in October and mulched it with leaves. In the spring the leaves were removed and the bed was a decided success. The bulbs remained in the ground during summer and verbenas were planted over them without disturbing them. They were mulched with leaves as before and in the spring they were a dismal failure. The flowers were imperfect, the stalks were of different heights, and bloomed at different times. Can you give a reason?

Indiana. F. & SONS.

The treatment given by F. & Sons to the tulip was kind enough. The covering of leaves certainly did no harm and perhaps not much good. My experience with leaving tulips in the ground is that the second year they are fairly good, and as they are up and in flower before the weeds trouble them they are profitable, and after the flower is cut the second year are ready to plow under in time for a summer crop.

If tulip bulbs were costly it would pay us to lift them and perpetuate our own stock, but at the price they can be bought, especially many fine kinds for outside culture, it is far cheaper to buy every second year unless you have Chinese, Japanese or convict labor.

Soil has a good deal to do with it. If we saw the soil and its condition where the thrifty Dutchman raises the fine bulbs we buy, it would open our eyes, not only to its richness but its high state of cultivation. They put on in labor and manure more to one acre than the average American farmer does to one hundred acres (this is no exaggeration), and they take off in value more from their acre than the rural New Yorker does from his whole farm. If they did not how could they all afford a two months' trip to the United States every spring, each taking the fastest vessel to see who can get here first? I expect to hear next year that one of the enterprising firms who send over two or three drummers will charter the "Kaiser Wilhelm the Grosse" especially for them and their fine brand of cigars and silk hats. If the soil was a poor clay there would be very poor bulbs formed to give flowers for the second year. I have occasion to remind growers that almost any old soil will do to force tulips and hyacinths, but "any old soil" did not produce that bulb. It was the richest kind of soil that produced it and all we have to do is to force it out with heat and moisture.

Perhaps in the case of F. & Sons the tops were cut off as soon as the flowers were past their prime to make the bed tidy for the verbenas. This is a great mistake and is too often done. The leaves should be left to ripen naturally, for then the bulb is ripening up in proper condition to produce a good flower the next season. The Dutchmen lift their tulips every year. WM. SCOTT.

Fire Insurance.

The fire insurance committee appointed at the recent convention at Providence, issued a circular a few weeks ago asking the florists of America who desire fire insurance to signify their approval of a mutual concern by stating what amount of insurance they would expect to take if a satisfactory organization were affected. We have received a great many letters stating what amount of insurance would be taken by many firms, to the aggregate total of not over a quarter million dollars to date.

The committee is very much discouraged at such an outlook as we had every reason to believe that we would have a million dollars of applications in less than two weeks from the time we began asking for the support of those who really wanted a fire insurance concern. It is true that all who have written have been thoroughly enthusiastic upon the subject, and a great many have urged us to go on, saying they would make application as soon as the organization was effected; but we believe that there are hundreds of florists who are anxious to have this association organized, but who think it is not necessary for them to pledge their support in advance. The committee will say in this regard that they positively cannot go ahead until they have at least a million dollars worth of insurance pledged. We cannot organize until such an amount has been promised us, and it is the duty of every florist who wishes this association to be organized among the craft, to at once signify his intention to support it if it is organized. Individually the committee are not particularly anxious for this organization except for the general good of the trade, for it means a great deal of work and hard work, before the thing would be fairly on its feet and in working order.

If we are to organize we should do so at once while the subject is warm in the minds of those who are interested, and we trust that no one in sympathy with the movement will fail to send his pledge of support to one of the undersigned committee by return mail. Do not delay, as we would like to form definite organization in October if possible. Write to the member of the committee who is nearest you at once.

Committee: E. H. Michel, 1620 Olive street, St. Louis, Mo.; W. J. Vesey, Fort Wayne, Ind.; J. G. Esler, Saddle River, N. J.; E. A. Seidewitz, Annapolis, Md.; M. A. Patten, Tewkesbury Centre, N. Y.

A Decorated Bicycle.

The accompanying engraving is from a photograph of a wheel decorated by Mr. Wm. H. Stoneman, of Albany, for the recent floral fete at Saratoga. Decorations of this sort have increased during the past few years, especially in Newport, Saratoga and vicinity of New York, where bicycle parades have become popular.

Wheels are a difficult foundation upon which to place a decoration that will be neat, effective and durable. The attempts of some florists unaccustomed to the work have been anything but artistic. There is frequently an attempt to cover the whole wheel, spokes and all, which gives it a heavy, awkward appearance, and before it has been ridden any great distance a good portion of the decoration is destroyed.

The wheel illustrated was decorated to represent "America." From the beak of the gold eagle on top of the staff of the flag hang streamers of smilax and roses, and the mass of American Beauty roses on the handle bars are surmounted by a natural American eagle which carries the national colors in its beak. The American Beauty ribbon on the front of the wheel is so arranged as to be in good taste and at the same time leave the handle bars free to turn in any direction. Other details will be readily noted in the engraving by the professional eye.

New York.

BUSINESS BETTER.—A NEW SCHEME IN VIOLET GROWING.—CARNATION GROWERS COMBINE.—CHRYSANTHEMUMS COMING IN.—AMERICAN INSTITUTE FAIR.—FINE STOCK AT PITCHER & MANDA'S.—HEARING ON BOTANICAL GARDEN CONTROVERSY.—PERSONAL ITEMS, ETC.

The cut flower business has improved a little and all are grateful. There seems to be a steady demand, very moderate, but encouraging as compared with conditions that have prevailed through the past two months. Violets are now coming in regularly to most of the wholesale establishments. One of the violet growers up the Hudson has adopted a new scheme for securing favorable temperature in his greenhouses for violet growing. He puts several tons of ice in the violet houses and hopes by this means to produce more and better flowers than are otherwise obtainable so early in the season. A number of the carnation growers have deserted their commission men and combined in hopes of getting larger prices for their flowers, and will sell for their own account at the N. Y. Cut Flower Co.'s rooms on 23d street. Chrysanthemums are beginning to come in quite freely. A novelty for this early date is a row of pretty little ericas in Thorley's window.

The exhibition of the American Institute is now on at the Madison Square Garden. In the horticultural department dahlias are the leading feature this week. Very fine displays are made by W. P. Peacock and H. F. Burt. Other exhibitors in this class of greater or less extent are John Lewis Childs, Lothrop & Higgins, G. H. Hening, W. H. Smith, D. Wilson, Rev. C. W. Bolton and C. W. Ward. The latter has also a group of fine dahlias



A DECORATED BICYCLE.

grown in pots. J. L. Childs, W. H. S. Wood and J. W. Duncan are represented by large collections of miscellaneous flowers, Mr. Wood's group of fruiting shrubs being especially interesting. Carl Blomberg has a pretty show of aquatics, one of the most interesting of which is the new Nymphæa cœrulea striata. Large collections of wild flowers are shown by Carl Blomberg, A. Herrington and J. W. Duncan. Conifers from F. R. Pierson Co., edible nuts from Parry's Nursery, vegetables from Weeber & Don and others and some fine specimens of florists' inscriptions from W. C. Krick are all worth seeing.

The schedule of the plants to be offered at the great auction at Pitcher & Manda's, Short Hills, next week reads like a dictionary of gardening, so extensive is the variety catalogued. Better still is the quality of the stock which is first-class throughout and the opportunity is one that the trade will not see again for many years. For the commercial grower there are palms by tens of thousands in small and medium sizes, ficuses, ferns innumerable, stock araucarias, crotons, and no less than eight houses filled with Adiantum Farleyense, and for the private fancier there are new and rare palms, dracænas, begonias, nepenthes and other desirable things without number. Nursery stock and herbaceous plants outside are on the same comprehensive scale, there being, for instance, six thousand pæonies in three hundred varieties.

On Wednesday, 29th inst., there was a public hearing before the mayor, at City Hall, in reference to the much-discussed appropriation for the botanical garden at Bronx Park.

H. C. Hansen has bought the W. J. Thurston greenhouses at Ramsey's, N. J.

Small & Sons are contemplating removal from Broadway to 43d street and Fifth avenue.

Thos. Patch, who has been foreman at the Pitcher & Manda greenhouses for the past two years is going to take charge of the fine estate of Mr. John T. Williams at Stamford, Conn.

Bulb forcers find the dealers unable to supply them with 7 to 9 Harrisii or longiflorum lilies.

Visiting New York: Carl Blomberg, North Easton, Mass.; Mr. and Mrs. John Newman, Winchester, Mass.

P. H. Scudder has gone off for a sojourn in the woods.

Boston.

TRADE IMPROVING.—CARNATIONS PROSPEROUS.—SALE OF STALLS AT CUT FLOWER MARKET.—FALL TEMPERATURE.—A BIG AUCTION SALE.—FIRST MEETING OF THE G. and F. CLUB.—PROPOSED RECEPTION TO JACKSON DAWSON.—ANNUAL FRUIT AND VEGETABLE SHOW.—VISITORS.

Business shows a little more activity. There is an abundance of all kinds of stock, however, with the exception of carnations which are temporarily rather scarce and as the finishing up of the asters leaves the carnation in exclusive possession of its peculiar field prices have advanced, especially on Scotts and other colored sorts and there is a brisk sale for all good flowers that are received.

Chrysanthemums will soon get to work on the carnation preserves and it may therefore be taken for granted that there will be no incentive for much further advance in prices as long as the chrysanthemum season lasts. The latter are somewhat backward in appearing here as compared with some other localities. A few odd blooms are all that have been seen, as yet.

In roses, the only advance worthy of notice has been in the price of American Beauty the highest grade of which brings twenty-five dollars per hundred now. Lily of the valley has stiffened up a little, bringing better prices than it has for some weeks. There are large quantities of white Japan lilies in market but they sell unusually slowly and bring on the average not much more than one dollar per hundred.

The sale of stalls at the Co-operative Flower Growers' Market brought over thirteen hundred dollars premium, being three hundred dollars more than was realized last year. W. J. Kennedy officiated as auctioneer.

Last week the temperature dropped to within one degree of freezing on one night in this neighborhood, and farther inland there was a sharp frost, killing coleuses, heliotropes and other delicate subjects.

Ed. Hatch's big plant sale at Horticultural Hall was a record breaker. The stock was from R. Dreyer and was of excellent quality. There was a large crowd of buyers willing to pay good prices for it.

The season just ending has been an unusually favorable one for tuberous begonias in this section. The continuous moist weather and cool nights just suit them and they have been looking very handsome in the gardens.

The first meeting for the season, of the Gardeners' and Florists' Club will be held at Horticultural Hall on Monday evening, October 4. Members should attend and help to map out some useful work for the winter.

Friends of Jackson Dawson, and they are many, are planning to give him a little reception at an early date, to congratulate him on his return from abroad and to hear from his own lips some of his experiences in the old world.

The annual fruit and vegetable show of the Massachusetts Horticultural Society takes place September 30-October 1.

H. P. Kelsey of Kawana, N. C., has opened an office at 1123 Tremont Building for the sale of fancy nursery stock, galax leaves, etc.

Visiting Boston: L. C. Bobbink, Rutherford, N. J., H. S. De Forest, representing Hitchings & Co., New York, and H. Dreyer, representing A. Herrmann, New York; H. A. Siebrecht, New York.

Mr. John Crowley of Dedham has bought the Whitten place, greenhouses and land in Dorchester and takes possession on October 1. His intention is to reserve the houses, dwelling and about five acres of land and cut up the balance of the estate into house lots which will be placed on the market at once.

Philadelphia.

IMPROVEMENT ALL ALONG THE LINE.—BETTER FLOWERS.—GREATER DEMAND.—ADVANCING PRICES.—FIRST 'MUMS ARRIVE.—GOOD DEMAND FOR PALMS —NEXT CLUB MEETING.—SHOOTING AND BOWLING CONTESTS —SHUFFLE BOARD CONTEST BEGINS.—MORE BOWLING.

There is an improvement all along the line; better flowers and a greater demand at advancing prices, in fact prices may be said to have a boom on as compared with the same time last season. Three dollars was high then for the best teas, now $4 is asked for the general run and a few of the best bring $5. But the greatest change is in Beauties which touched $1.25 per dozen on October 1, last season for the best, now $2.50 is asked for specials while the best medium seem to bring readily, $2. A shorter size or No. 3 are selling for $1 to $1.50 per dozen. The lengths of stem are 12 to 15 inches, 15 to 25 inches, and specials up to 36. The Beauties are a little higher grade than last season, but the teas are little if any better. Carnations also have improved in price bringing $1 now as against 75 cents a year ago. The growers are cutting more Beauties than last year and say they have only moved up as the demand seemed to warrant it as they have less trouble to sell out now at the advanced prices than last season. It certainly looks as if this winter will be a prosperous one for both grower and dealer.

The 'mums arrived last Thursday, coming from Washington to Pennock Bros. They were fair flowers and better than the first generally are about here. Next week will see the first from the local growers, Mme. Bergmann now commencing to show color.

The palm growers report a good demand from out of town trade and a fair increase among the local dealers. The various stocks of foliage plants about this city were never more full and complete, or, we might add, cheaper when quality is considered. Palms are certainly grown better and easier, or at least it would seem so from the quantity and general excellence that prevails among the collections of the larger establishments.

The next meeting of the Florists' Club promises to be an interesting one and all should be present to enjoy it. Wm. K. Harris is to tell us whether dollar wheat will make us all rich or not the coming winter. 'William K. does not grow wheat but the products of his establishment are just as good as wheat, and threshed wheat at that. And while there may be some chaff in his remarks we are sure they will be so weighted down with grains of wisdom that all will be glad to hear him. Secretary Farson urgently desires all members to be present. The officers for the coming year are to be elected at this meeting and this will also be an attraction to many.

There was another shooting contest last Tuesday between the Chestnut Hill members of the gun club, augmented by a few from Darby Road and other sections where they shoot well, and the Germantown boys, mostly from Thos. Meehan & Sons' nursery. The Chestnut Hillers and their allies managed to win this time having things all their own way. A bowling match took place in the evening at the club rooms between teams selected from the same contestants which resulted in a most sweeping victory for the boys from Chestnut Hill. As it stands now the score is two victories and two defeats for each faction and it would really seem as if another contest, we hardly know what there is left, will have to be played to determine who shall fly the champion flag.

The shuffle board contest was commenced at the club rooms last Monday evening and proved to be a very interesting event; some twenty-four members have entered.

Another bowling contest will be started next Monday evening. New pins have been provided, those in use being found below regulation. There are three classes as in the last contest, 120 and upwards being in the first class, 108 to 119 inclusive in second class, and all below being in third and novice class. K.

Chicago.

MARKET ACTIVE.—STOCK NONE TOO PLENTY.—SHORTAGE OF CARNATIONS.—FIRST CHRYSANTHEMUMS —VIOLETS LATE.—THE CHRYSANTHEMUM SHOW.—VISITORS.

The market remains quite active. Although the weather is and has been bright, sunny and warm for the past week, stock is none too plenty. The supply in most lines is about equal to demand. In quality stock has improved greatly. Beauties are especially good just now. Prices remain about the same as quoted last week. In carnations the demand for white exceeds the supply which is much larger since asters are a thing of the past. Scott and Portia, largely from field grown stock as yet, are fine. Daybreak is hardly up to the mark yet. The field grown stock is badly off color and the blooms from stock transplanted in benches are small and short-stemmed. In whites out door Fisher is still the best, although very good McGowans may be noted. In fancy sorts a few fine Triumph and Buttercup have made their appearance.

The first lot of chrysanthemums were received September 29, one, a white, "Midge" of fairly good size for this season of the year, the other a light pink, of which unfortunately the grower, Mr. John Lang, doesn't know the name. The latter is of the type of Viviand-Morel, but lighter in color. These sold at $3 per dozen.

Last season some fair quality violets were received September 15, but this year at this writing not a good bloom has made its appearance, and the prospects are there will be none for some weeks. California is showing bud and a few crippled blooms. Most of the violet growers complain that the stock is not nearly as promising this year as last, the weather being too warm and dry to suit the violet.

The "International Competition" at the coming chrysanthemum show of the Horticultural Society ought to bring out a very interesting display. Prizes of $5 are offered for the best 12 blooms in 12 varieties from each state, territory and Canadian province, 56 prizes in all, and then there is a sweepstakes of $50 for the best dozen of all. Premium lists can be had on application to Mr. W. N. Rudd, room 202, 185 Dearborn street.

Visitors: Walter Mott, representing H. A. Dreer; J. Austin Shaw, representing Siebrecht & Son.

Mr. C. P. Hughes has again entered the ranks of the wholesalers and his familiar face is seen at the Illinois Cut Flower Co.

San Francisco.

TRADE IMPROVING.—CHRYSANTHEMUMS IN MARKET.—96 IN THE SHADE —FLOWERS IN MARKET.—MEETING OF STATE FLORAL SOCIETY.—GOLDEN GATE PARK.—PERSONAL ITEMS.

Trade has been improving steadily during the past few weeks and florists anticipate a good season. Chrysanthemums are beginning to show up now in quantity but on account of the very warm weather during the past week the size of the flowers coming in has been reduced somewhat. Whilldin, Cassagneau and Belle Poitevine are about the chief kinds coming in at present. Some fairly good Ivory have made their appearance and sell very well at good prices. They are bringing from 50 cents to $1 a dozen. The thermometer during the past week has stood at about 96° in the shade and has rapidly forced many of the chrysanthemums into bloom, but the indications now are for cooler weather when we can expect much better quality of bloom.

Asters are over for the season. The warm spell put a damper on the violets which were beginning to come along nicely, but as it is quite a lot of Marie Louise come into the market daily. They are of very excellent quality considering the earliness of the season and sell on sight at a good figure. As yet we have seen no Princess of Wales or California, in fact no single violets are in at all but they are beginning to show bud. We noted quite a quantity of the Princess of Wales violet at the different growers' establishments, planted this season in anticipation of a healthy demand for this winter.

There has been quite a steady demand for carnations lately and prices have advanced a step. Scotts bring 15 cents a dozen and Portias 12½ cents. Some days the growers do not have enough stock to supply the demand. Daybreak is rather scarce at present. Mrs. Fisher, McGowan and Redondo are also bringing 15 cents. Roses are improving steadily in quality and now some excellent buds can be seen. This is especially true of Brides and Bridesmaid of which some fine stock is coming in from the new crop. Testouts are coming into the market in small lots as also are Beauties. Some extra good Perles and Meteors also help to swell the list of roses.

Lilium rubrum and album are still coming in in small lots but the supply is almost over for this season. Sweet peas are yet to be had in small lots but there is no more demand for them. The demand for palms and ferns in salable sizes is increasing and there will undoubtedly be a shortage in the former.

Mr. F. Lindemann was a visitor at the different growing establishments in the vicinity of this city during the week.

Domoto Bros., the well known Japanese chrysanthemum growers, took a trip down to Menlo Park last week in the interest of their popular flower.

Mr. T. Thompson, the carnation specialist of Santa Cruz, was a visitor last

week and reports trade as improving in his city.

The regular monthly meeting of the Californin State Floral Society was held on the 10th inst. when final arrangements for the chrysanthemum show to be held in November, were decided upon. Emory Smith delivered an interesting lecture before the society which was well received. Mr. Smith is also to manage the chrysanthemum show. The proposed new zoo garden was also discussed. The society adjourned to meet the second Friday in October.

Mr. Chas. C. Navlet, the San Jose florist, was up durlng the week and says prospects for fall trade in both San Jose and Sacramento are encouraging. Mr. Navlet has made several alterations in his store and now has one of the handsomest stores in the state. Mr. Gus. Navlet is in charge of the Sacramento store.

M. Lynch went to San Jose on a short trip last week.

The San Mateo County Floral Society have issued a list of prizes and sent invitations to the different growers and private gardeners to compete at the chrysanthemum show which is to be held in Redwood City in October. Substantial cash prizes have been offered so we have every reason to believe that the show will be a success.

The conservatories at Golden Gate Park have been well patronized during the past two months by appreciative throngs of visitors who did not hesitate to express their delight and satisfaction at the fine display of flowering and foliage plants. The gorgeous display of bedding plants surrounding the greenhouses has also been much admired and has reflected much credit on the foreman of that department, Mr. Jos. Miln.

At Mr. John H. Sievers' greenhouses some very excellent Testout and Belle Siebrecht are being cut. Belle Siebrecht has proved a success with Mr. Sievers. His place is particularly noted for its new seedling carnations. They have many thousand seedlings, many of which have borne excellent results. Several new shades of color have been developed which will undoubtedly be heard from later. The palms, ferns and orchids are also looking excellent as also are the pelargoniums, which are one of the leading specialties. I am happy to say that Mr. Carl Kruger, the genial manager of this place, who has been ill for quite a long period, is now himself again.

METEOR.

St. Louis.

CHRYSANTHEMUM SHOW MATTERS.—HALL RENTED.—SPECIAL PRIZES.—TRADE FAIRLY GOOD.—WEATHER IMPROVES STOCK.—VARIOUS ITEMS.—BOWLING.

Chrysanthemum show matters are progressing satisfactorily. The executive committee met Tuesday afternoon and transacted a lot of business pertaining to the show. The committee have at last got favorable terms and have rented the Public School Library Building, northwest corner of 9th and Locust streets, and will use the first and second floors.

The committee will have the final program out not later than October 20 or sooner. The program will this year be printed in two colors. The special prizes up to date amount to $729 besides the Shaw prizes, which are $500 more, making a total of $1,229 in special prizes. The committee will meet every week from now on until the opening of the show.

Trade has been fairly good for the past ten days. All the retailers report good transient trade and the wholesalers also have had good trade both local and shipping, and prices have advanced a little.

Cool bright weather has had a beneficial effect on the roses, which have improved greatly in quality; fine buds, clean foliage and good long stems. Meteors, Brides and 'Maids, firsts, are bringing $4; Perles, Woottons and seconds in Brides, Meteors and 'Maids sell at $2. Beauties of first-class are still very scarce and bring $12.50 and $15; seconds $8 and $10. Carnations are not overplentiful and the price has advanced to $1.50 for the best; short stems go at $1.

A few 'mums are coming in now and then and sell for $1.50 per dozen. Violets are beginning to come in, but are pale and small as yet. Tuberose stalks and smilax are selling better. Valley very scarce, very little coming in; price $4.

Alex. Waldhart will on Wednesday, Oct. 6, at 10 a. m., sell his entire stock of decorative plants, also boilers, piping and glass.

The Riessen Floral Co. are repainting and frescoing their store at 21 South Broadway, and when finished they will have the handsomest store down town. Mr. Buechel, the secretary, returned last week from his regular summer trip and reports that business is picking up, and he expects a good season's trade.

The Bowling Club on last Monday rolled three games on the new regulation alleys at 6th and Pine streets. The alleys are 42 inches wide, 70 feet long and the pins are 12 inches apart, and we rolled 60 feet from the cock pin, something new for the boys, and a full attendance was on hand. Carl Beyer was our high man in the three games with 552, John Kunz second with 544 and R. Beyer third with 543. The highest single score was also by Carl Beyer, 217; R. Beyer second, 197; and Kunz third, 191. We roll again at the same alleys next Monday night.

J. J. B.

Buffalo.

BRIGHT WEATHER —SHORTAGE OF FLOWERS.—FROST SEPTEMBER 28.—LESS CARNATION RUST —A FEW INFALLIBLE CURES. —VISIT TO PROF. COWELL.—VISITORS.

If fine bright weather could make fine business we would have it, but we won't grumble; it appears better than it really is because flowers are by no means as plentiful as they were. In the vicinity of Buffalo there was 5 degrees of frost on the 28th; that settled asters, gladiolus and the rest of the outside truck which has hardly paid for freight charges. Carnations of good quality are scarce and those that are good sell well.

Home grown roses are good. I noticed in the windows of W. J. Palmer & Sons several thousand Meteors; they made a fine show; also a plentiful supply of fine violets. We expect to cut a few dozen fine yellow 'mums on Saturday, October 2. The hour is not yet determined on, but the date is early; of course the variety is Messrs. Dailledouze's grand yellow, Merry Monarch, or is it Yellow Monarch? Anyway it is the fine sport sent out by these gentlemen last spring.

I am glad to say that from what I have seen there is less of the carnation rust this year than for several years past. This happy condition is the result of persistent application of "sulphide of potassium," sulphate of copper, Bordeaux mixture dry, ditto ditto liquid, arsenic, sulphur on the pipes and several other infallible cures; take your choice.

We made in company of some genial friends a short visit to Prof. Cowell and his botanic garden. It is getting to be a very interesting place, especially for the botanical student. What takes most with the mob is a very fair specimen of Victoria regia; its fine leaves are close upon 6 feet; an inverted one showing the wonderful structure of the under part is of great curiosity to the public. The victoria has had a number of flowers. No attempt at showy flower gardening is made here, but at one of the smaller parks known as "Cazenovia," named after an Indian, who was named after a creek, the flower gardening is most admirable and put in just the right place; there is about an acre of it. But of all the floral gems and pretty vistas of this place none are so bewitching as the smile assumed by the professor when he asks you to go across and see a man.

Mr. Nellson, of Tarrytown; Mr. Mott, of Riverton, and Mr. Atkins, of Short Hills, all gave us a call last week. They looked happy and all said business was decidedly mending.

W. S.

Baltimore.

CLUB MEETING —EXHIBITS.—QUESTION BOX. —TRADE ON THE MEND.

At the club meeting Mr. Conrad Hess showed a beautiful bunch of his carnation Baltimore, the color, shape and size being strictly first-class and the stems as stiff as could be desired. Mr. C. M. Wagner exhibited a pink seedling carnation, No. 4, slightly lighter than Scott, about as double as Uncle John, and fully three inches in diameter; strong scent, very stiff, erect stem and perfect calyx. Mr. Richard Vincent, Jr., brought out a collection of dahlias containing a number of very attractive varieties which to the regret of many present were not labeled with their names.

The recommendation of the executive committee that some member be appointed at each meeting to open the discussion at the next ensuing meeting was adopted and Mr. Richard Vincent was appointed to open at the next meeting. The question box being opened, the following questions were read: Has anyone used Jadoo fibre? Mr. C. M. Wagner had used half a ton of it and found it made a very remarkable improvement in roses. Did not find chrysanthemums do any better in it than in soil.

Is the change in the name of the Society of American Florists of any benefit? Mr. Richard Vincent said it was done for the purpose of obtaining a national charter, but he doubted whether it would be of any advantage, unless in the case of the accumulation of wealth, which they could not hold without a charter. Being requested by the president to say what had been done with the resolution entrusted to him to deliver to the S. A. F., Mr. Vincent stated that nothing had been done with it.

What material makes the best liquid manure, and how soon should it be used after planting in fresh soil? Mr. C. M. Wagner said he would defer using it until plants needed it. After considerable talk on the subject, during which cow manure and chicken manure seemed leading favorites, Secretary Flitton closed with the opinion that different soils and plants required different manures, but no plant should have it until the roots were fully developed.

Trade in cut flowers is undoubtedly on the mend. Good roses are scarce. Roses of any kind are not plentiful. Prices are very unsettled and will probably remain so till after the chrysanthemum season.

Mr. Charles Hamilton is around among the boys again, as cheerful as ever and the

picture of health. The severe surgical operation he had to undergo has not impaired his spirits in the least.

MACK.

Toronto.

THE TARIFF —DIFINITION OF AN AMATEUR. —ARRANGEMENT OF EXHIBITS —CHRYSANTHEMUM SHOW NOVEMBER 10 TO 13.

It seems as if it would be necessary for a deputation of gardeners and florists to go down to Ottawa and interview some of the tariff legislators down there. The "florists' stock" clause in the free list has been badly bungled. "Bulbs, corms, tubers, rhizomes" are emunerated and then they must needs enumerate "spiræa and lilies of the valley" too. Palms and araucarias are free but azaleas and orchids are left out and must pay 20% ad valorem, neither of which are or are likely to be raised in this country. It is said that a prominent seedsman is responsible for inducing the Government to take azaleas off the free list. It works in this way: Buyers of large quantities can get them at considerably reduced prices in Europe, and can therefore have them laid down here at a much lower price than the small buyer can possibly do. The big man pays less for his plants, pays less duty per plant, and probably gets a lower rate for transportation. It was ever thus; what business has a little man to exist any way?

The directors of the Horticultural Society think they have succeeded in defining an "amateur horticulturist." The definition certainly reads as if there was no loophole for any one but an amateur to get in but it is astonishing what some people can do, will do and do do. It will be made public property at the next regular meeting.

I am glad to note in a contemporary that the Montreal G. and F. Club are going in for artistic taste in arrangement of exhibits at their next chrysanthemum show and are giving up as far as possible what may be called sectional staging. This is as it should be, but it is not easy to do so that the exhibits can be fairly judged. It has always seemed to me such a pity that with a large assortment of the best plants and flowers altogether, a better show from an artistic point of view can not be arranged.

The association here has gone some way in this direction, but there is plenty of room for improvement yet, and I hope to see some progress at our coming show. The dates of the show are the 10th, 11th, 12th and 13th of November; this will not as far as is known include Thanksgiving day but includes a Saturday.

The weather last week was fine and warm; it is a long time since any quantity of rain fell and the ground is now very dry and hard.

E.

Cleveland.

SHORTAGE OF GOOD STOCK.—SLIGHT IMPROVEMENT IN BUSINESS.—FIRST CHRYSANTHEMUMS —CLUB MEETING.—BOWLING CLUB FORMING.

About the most noticeable feature in the local cut flower trade at present, is the notable shortage of good stock. There has been some slight improvement in business of late, and this, combined with very cool weather after the hot spell in the early part of the month, which forced nearly everything forward at an unnatural rate, has brought the first mentioned condition. Roses, perhaps, are in the best supply and are coming of very fair quality. Carnations are not plentiful and sell at from $1 to $1.25 per 100. Dahlias and gladioli are rather off in quality, probably owing to the unusually dry weather we are, and have been, having so far this fall. The gladiolus supply is also diminishing rapidly as to quantity as well.

Everybody is interested in the chrysanthemum just now and the development of the flowers is closely watched. Gasser had the first in his window the other day.

Several matters of interest were disposed of at the club meeting, September 28. The election of officers for the ensuing year resulted in the selection of the ticket mentioned in the last notes. It was also decided to move the headquarters to Progress Hall where various amusement facilities can be provided with more convenience than in the present location. A good list of names was also entered for the bowling club. Any who desire to join this would do well to send in their names at once. Some preliminary matters in relation to the coming chrysanthemum show were also disposed of.

In town: Mr. Nelson, representing F. R. Pierson & Co.

A.

St. Paul.

TRADE IMPROVING SLOWLY.—INCREASED CALL FOR PALMS, ETC.—LIGHT FROSTS. —VARIOUS ITEMS.

Trade is improving slowly. Cooler weather has a tendency to bring the buyers home, while the usual number of fall weddings and an unusual amount of funeral work have helped to increase sales. Stock is of good quality and the supply about equals the demand. In roses, white and pink and American Beauties are in best demand. Carnations are more plentiful and of better quality, and are eagerly sought after. 'Mums and violets have not yet made their appearance, though there are calls for them daily. Outside stock is about all gone. A few sweet peas and some dahlias are the only stock being brought in.

One noticeable feature in this year's trade is an increased inquiry for palms, rubbers, cyperus and other ornamental plants. Pink and other colored flowers are being used quite extensively in funeral work.

Mr. Haugen, formerly of Haugen & Nilsen, has rented the range of houses on Hague avenue owned by E. F. Lemke.

L. L. May & Co. are moving into their new quarters.

Travelers in town: H. A. Bunyard, Short Hills, N. J.; C. Ford, Jr., representing A. Hermann; J. Austin Shaw, the Brooklyn bard; Mr. Spiro, New York; Mr. Massey, Dayton, O.

A. S. Swanson recently returned from an Eastern trip including Buffalo, Toronto, Brampton and other floral centres.

FELIX.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—By young florist. Good references. LOUIS FLINDT, Columbus and Monroe Sts., Sandusky, O.

SITUATION WANTED—Man as foreman, by a first-class grower and designer; 32 years; single. Good references. A Z, care American Florist.

SITUATION WANTED—By florist thoroughly experienced in all branches of this business, in private or commercial place; German, single, age 27. Address GARDENER, care Am. Florist.

SITUATION WANTED—As stenographer by a young woman with a practical knowledge of the florists business; willing to be generally useful; references. Address STENOGRAPHER, care Am. Florist.

SITUATION WANTED—By all-round florist, good propagator and designer; roses, carnations, violets and mums; good references. IRA P. HERSEY, 24 Atwood St., Newburyport, Mass.

SITUATION WANTED—As gardener; single, German; 20 years' experience in all branches; sober and reliable. First-class references. Private or commercial place. F S, care American Florist.

SITUATION WANTED—By young man, age 21, in a first-class commercial place, where cut flowers are made a specialty; east preferred; references the best. Address A, care Carl Ebrmann, St. Matthews, Jeff. Co., Ky.

SITUATION WANTED—As foreman, west preferred; general stock, single, American, age 26; do not use tobacco, drink or swear, designer and packer; salary $75; references given and asked METEOR, 1110 C Ave. East, Oskaloosa, Ia.

SITUATION WANTED—As foreman by able florist, 30 years' experience in this country and Europe; will give satisfaction in every branch of the florist business. Can give the best of recommendations. Address S C. American Florist, Chicago.

SITUATION WANTED—By single Englishman to manage private or commercial place. Life experience in all branches including orchids. Well up in floral decorations of all kind. Thoroughly sober and reliable. State wages. Address PRACTICAL, care Jos. Breck & Sons, (Seed Dept.), Boston, Mass.

WANTED TO RENT—About one acre of asparagus from 3 to 6 years old Pays good rent. P. Glen View, Ill.

WANTED—Man capable of taking full charge of branch store, accustomed to first-class trade. J. LOUIS LOOSE, 12th & F Sts., Washington, D. C.

WANTED—In middle states, an experienced foreman for place with 30(000 feet of glass. Wages $100 per month. HUSTLER, care American Florist.

WANTED—An active young man with slight knowledge of greenhouse work; a youth wishing to learn preferred; state age and particulars. THE BOOL FLORAL CO., Ithaca, N. Y.

WANTED—Practical florist, cut flower and general stock; 7000 feet of glass. Want good steady man—no "expert". State wages wanted. W. J. BARNES, 38th & Euclid Ave., Kansas City, Mo.

FOR SALE—Store and four greenhouses each 14x100 well stocked; good location in Chicago. Address CARL CROPP, care Vaughan's Seed Store, Chicago.

FOR SALE—At less than half price, 1 Eureka heater, good as new; also a quantity of piping, 1¼-inch, 1-inch and ½-inch; also pipe fittings; a great bargain if sold at once. Address WM. G. WHITE, Ovid, Mich.

FOR SALE—In Warren, R. I., 5 greenhouses, nice 6-room cottage, barn, sheds, shops, etc.; about 10 acres of good land; young orchard, shade trees and grapevines. Greenhouses and cottage heated with hot water. Windmill supplies water over the premises. Can be bought on easy terms Apply to O. H. NYE, Warren, R. I.

FOR SALE. AN ESTABLISHED BUSINESS.

Man of capital or party desiring to organize a company can step at once into an established business, known throughout United States, and with good connections in other countries. Good will assured. Present owner will remain for two months if desired. Compelled to sell on account of failing health. The business for the next twelve months with proper management should net $2500, and by exercising sound common business sense, same can be increased to $4500 or $5000. Full investigation will be permitted to prospective purchasers, if they show they mean business. Please address with some particulars. C. S LODER, 271 Broadway, New York.

Foreman Wanted.

First-class grower and propagator of all kinds of plants; one who can handle men and has good business ability. Give full particulars, references, experience and salary expected. Address **Reliable,** care W. J. Stewart, 67 Bromfield St., Boston, Mass.

Salesman Wanted.

First-class, reliable salesman with good knowledge of seed, bulb and general plant business. Apply with full particulars, experience, references, salary or commission expected, to **Hustler,** care W. J. Stewart, 67 Bromfield St., Boston, Mass.

GEO. A. KUHL,

Wholesale Cut Flowers,

ROSES, CARNATIONS, and SMILAX.

GEO. A. KUHL, - - Pekin, Ill.

Mention American Florist.

Cincinnati.

CARNATIONS SUFFERED FROM DROUGHT — BUSINESS FAIR AT THE STORES BUT DULL AT THE MARKET.—FIRST CHRYSANTHEMUMS —VISITORS.

One of the dryest spells experienced this season is now upon us. All outdoor stock has suffered greatly, especially carnations, and they do not average as well as last year. There was a fair demand for choice cut flowers owing to the Jewish New Year, which was appropriately celebrated Sunday and Monday with ceremonies at the various temples.

Our store men report fair business the past week, but the market florists complain very much. The sixth street market continues to be flooded with outside stock such as gladioluses, tuberoses, asters, etc. It is not safe to give quotations on this kind of stock. Roses and carnations sell fairly well. Messrs. George & Allen are bringing in new valley, which is excellent for this time of the season. Their Am. Beauties, as well as teas, are very fine and promising.

Mr. E. G. Hill came in with some chrysanthemums last week, the first of the season. They were rather small and soft yet, and a few days more growth would benefit them. Mr. S. M. Harbison, of Danville, Ky., was a caller. Mr. Aug. Kohlbrand, of Chicago, has been visiting his parents here of late. H. SCHWARZ.

BENTON HARBOR, MICH.—The Twin City Floral Co. of this city has filed articles of incorporation. The capital stock is $5,000, all paid in. The stockholders are James H. Brumby 100 shares, Harry S. Gentle 399 shares, Samuel Gentle 1 share.

LYNN, MASS.—The Houghton Horticultural Society held its 21st annual exhibition at Odd Fellows' Hall on Tuesday and Wednesday, September 28 and 29. The exhibition was eminently successful and was followed on Thursday evening by the annual festival, at which provision was made for 500 guests.

Her Father is a Florist.

Her lips would for carnations stand,
Her brow is like the lily,
Her cheeks are blooming roses, and
Her ears would knock pinks silly.
Yet 'tis but nature's symmetry
That all these gifts I've chorused
Belong to her, because, you see,
Her father is a florist. —*Ex.*

August Rölker & Sons
Wholesale Dealers in
SUNDRIES
for Florists and Horticulturists have removed their extensive stocks to their
NEW STORE AND OFFICES AT
52 Dey St., New York.
Orders from the trade solicited.

Finest Stock of Field-Grown
CARNATIONS
15,000 McGowan, Rose Queen and Scott, free from rust and disease. Per 100, $3.00; per 1000, $25.00. This stock is all blooming in the field.
CASH WITH ORDER, OR C. O. D.
J. A. BUDLONG, Station X, Chicago.

STRONG, FIELD-GROWN
CARNATIONS AND VIOLETS.

800 Lizzie McGowan	$3.00 per 100
500 Rose Queen	5.00 per 100
300 Lady Campbell; 200 California; 150 Marie Louise Violets	4.00 per 100
500 Smilax, 2-inch	1.50 per 100
300 Primula Obconica, 3-inch	2.50 per 100
200 Primroses, mixed colors, 3-inch	2.50 per 100

CASH WITH ORDER PLEASE.
M. J. PIERCE, ADRIAN, MICH.

ATTENTION EVERYBODY

The Sensational Carnation of the year — PER 100

FLORA HILL,	nice, clean, field-grown plants	$10.00
ARMAZINDY,	SPLENDID PLANTS,	8.00
TRIUMPH,	FINEST PINK,	8.00

CYCLAMENS Magnificent plants grown from the finest English prize flowered strains. We have used this particular strain for years, and it has pleased thousands of our customers. Strong, clean, well furnished plants, from 4-inch pots, **$10.00 per 100.**

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"JADOO"

FIBRE. Every plant grown in it, thrives without earth.

LIQUID. The best, safest and cheapest Fertilizer sold.

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900,000 PANSY PLANTS.

MITTING'S GIANT FLOWERING transplanted plants, $1.00 per 100; $5.00 per 1000, by express only. From seed-bed, 75 cts. per 100; $3.00 per 1000, by mail prepaid. When plants are ordered by express we add enough plants to pay expressage. They are up-to-date both in color and size of bloom.

SEED from above strain, 50 cts. per trade packet; $4.00 per ounce; $40.00 per pound.

MORRIS FLORAL CO., Inc.,
MORRIS, ILL.
Mention American Florist.

Pansies Worth Raising.

STRONG PLANTS, ready now, $4.00 per 1000, f. o. b. express here.
SEED, as usual.
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199 Grant Ave., JERSEY CITY, N. J.

PANSIES.

ROEMER'S SUPERB PRIZE PANSIES.

PLANTS, strong and bushy, 65 cts. per 100, by mail.
By express..... $2.00 per 500.
By express..... $4.00 per 1000.
Cash with order.
PETER BROWN, Lancaster, Pa.

Pansy Plants.

READY NOW.
One on the best strains, and good plants, 75c per 100; $5.00 per 1000.
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John Conley & Son,
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2 AND 4 DOMINICK STREET,
New York.

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100 by mail 75c; 1000 by express $4; 5000 $18. Seed of the above strains $1 per pkt.; $6 per oz.; $3 per ½ oz.

CARNATIONS—Fine, stocky, field-grown plants, leading sorts, $5.00 per 100.
Cash with order. **E. B. JENNINGS,**
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" " medium	8.00@12.00
" " short	4.00@ 6.00
" Brides, Bridesmaid	2.00@ 3.00
" Meteors, La France	2.00@ 3.00
" Kaiserin	2.00@ 4.00
" Niphetos, Perle, Gontier	1.00@ 2.00
Carnations	1.00
Valley	4.00
Gladiolus	3.00
Tuberose spikes	5.00
Chrysanthemums per doz	3.00
Adiantum	.50@ .75
Smilax	10.00
Asparagus	50.00@75.00
	ST. LOUIS, Sept. 30.
Roses, Beauties	12.50@15.00
" " short	8.00@10.00
" select stock	3.00@ 4.00
" Meteors, Kaiserin	2.00@ 4.00
" Brides, Maids	2.00@ 4.00
" Mermets, La France	2.00@ 3.00
" Perles, Wootton	2.00@ 3.00
Carnations	1.00@ 1.50
Violets	.40
Tuberose stalks	4.00
Chrysanthemums	12.50
Smilax	10.00@12.50
Adiantum	1.00
Asparagus	25.00@50.00

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Carnations	.50@ 1.50
Valley	1.00@ 2.00
Violets	.50@ 1.00
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Adiantum	.50@ .75
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Asparagus	40.00@50.00
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Roses, Beauties	6.00@25.00
" Gontier, Perle	1.00@ 2.00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
Carnations	1.00@ 2.00
Valley	3.00@ 4.00
Tuberoses	.50
White Japan lilies	1.00@ 2.00
Adiantum	1.00
Smilax	10.00@12.00
Asparagus	50.00
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Roses, Beauties select	20.00
" " medium	12.00@16.00
" " short	6.00@ 8.00
" Brides, Maids	2.00@ 4.00
" Meteors, La France	2.00@ 4.00
Carnations	.75@ 1.00
Valley	3.00@ 4.00
Single violets, per 100 bunches	2.00@2.50
Gladiolus	2.00
Tuberoses per 100 stalks	2.00@2.50
Smilax	10.00@20.00
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Roses shipped to all points. Price list on application.

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Consignments from regular growers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.
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Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.
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Asparagus Plumosus Nanus.
Strings 10 to 12 feet long,
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Solicit shipments of Cut Flowers on Commission. Best market prices guaranteed.
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The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Proposals for Seeds.

The following adv. appears in the daily press:

PROPOSALS FOR SEEDS—DEPARTMENT of Agriculture, Office of the Secretary, Washington, D. C., September 27, 1897.—In accordance with the appropriation act of April 23, 1897, which authorizes the purchase and distribution of valuable seeds, trees, bulbs, plants, vines and cuttings by the U. S. Department of Agriculture during fiscal year ending June 30, 1898, the department is now prepared to receive from responsible dealers in, and growers of, seeds, proposals for supplying field, flower and vegetable seeds and such other articles as are enumerated above; the seeds to be delivered in bulk in the city of Washington, D. C., in such quantities and varieties as the secretary may elect free of all freight or transportation charges. Proposals must state the name of each variety of seed offered and the price per pound or bushel in each and every case. Proposals are requested for different choice varieties of the following named seeds: Beet, Cabbage, Carrot, Celery, Cucumber, Egg Plant, Lettuce, Cantaloupe, Water Melon, Onion, Parsnip, Radish, Rutabaga, Squash, Tomato, Turnip, Beans (garden), Peas (garden) Corn (sweet), Tobacco, Australian Salt Bush, Cotton, Corn (field), Cow Peas, Canada Field Peas, Vicia Villosa, Alsike Clover, Alfalfa, Bermuda Grass, Lawn Grass, Mangel Wurzel, Kidney Vetch and choice varieties of Flower. Proposals must be addressed to the Secretary of Agriculture at Washington, D. C., and received at the department not later than October 5, 1897. JAMES WILSON, Secretary.

BOSTON.—W. W. Rawson & Co. have begun to move into their new quarters at 12 and 13 Faneuil Hall Square, and expect to be in full running order by October 15.

MILFORD, CONN.—A stock company with a capital of $10,000 has been formed, to be known as the Everett B. Clark Company and to be located in the town of Orange for the business of seed growing.

VISITED CHICAGO: Geo. A. Crocker, of Crocker Seed Co., Minneapolis.

COLUMBUS, O.—The annual meeting of the American Association of Farmers' Institute managers will be held here October 27 and 28. The program has been issued and copies may be had by applying to the secretary, Mr. F. W. Taylor, Lincoln, Neb.

California Sweet Pea Seed.

Fall delivery. All standard sorts, introductions of 1896, and Novelties for 1897. (Order soon, crop is short). CALIFORNIA GROWN: Aster, Balsam, Carnation Marguerite, Centaurea, Cosmos, Dianthus, Freesia, Hollyhock, Lobelia, Mignonette, Nasturtium, Petunia, Smilax, Stocks and Verbena Seed in all BEST known sorts. Clean reliable, well selected seed from Best growers. Pkt., oz. or lb. H. H. BERGER & CO., 220 Broadway, N. Y.

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FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

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SPECIAL OFFER OF OVER STOCK.

	Per 100
Beech, European, 5 to 6 ft.	$25 00
" " 4 to 5 ft.	15 00
" purple-leaved seedlings, 4 to 5 ft.	15 00
Berberis purpurea, 18 to 24 in.	2 00
" vulgaris, 18 to 24 in.	2 00
" Thunbergii, 12 to 18 in.	6 00
" " 6 to 10 in., 1 yr.	2 00
Elm, Ulmus Americanus, 8 to 9 ft.	15 00
Forsythia suspensa, 3 ft.	5 00
Pyrus Japonica, 3 to 4 ft., mixed.	6 00
Privet, California, 18 to 24 in., trans..	2 00
Symphoricarpus vulgaris, 15 to 18 in.	3 00
Viburnum opulus (tree cranberry), 3 to 4 ft.	6 00

	Per 100
Asclepias tuberosa	$ 2 00
Hemerocallis flava, fulva, Dumortieri.	3 00
Iris, German, 10 sorts	4 00
" Japan, 10 sorts	4 00
Liatris scariosa	5 00
Lily of Valley, sod 3 inches square (not for forcing)	3 00
Pæonies, mixed per 1000 $40,	6 00
Platycodon	5 00
Sabbatia chlorides	5 00
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SACRED LILIES.

One of the best selling bulbs for the retail counter.

STRICTLY CHOICE STOCK, lots of 120 at 4½ cts. each; $42 per 1000.

Write for prices on quantities.

LILY OF THE VALLEY.

A Specialty with us.

Qualities the best obtainable.

"London Market," the finest pips in existence for early forcing. Per 100 $1.65, 1000 $14.75, case of 2500 $33.75.

Premium, equal to "London Market" for late forcing. Per 100 $1.50, 1000 $12.25, case of 2500 $30.00.

International, a first-class Hamburg Pip. Per 100 $1.35, 1000 $10.00, case of 2500 $24.00.

WRITE FOR PRICES ON QUANTITIES.

14 BARCLAY STREET, NEW YORK.

A FULL LINE OF

Fall Bulbs

For Florists' Forcing Now in Stock.

VAUGHAN'S SEED STORE, 84 & 86 RANDOLPH STREET, CHICAGO.

PALM Seed. FRESH ON HAND

ALL SEASONABLE VARIETIES.

Prices for select seeds quoted on application.

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BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

W. and D's. CELEBRATED "Sure Crop" Mushroom Spawn. SPECIAL quotations to LARGE buyers.

ALL KINDS OF BULBS—

Lilium Harrisii, Freesias, Roman Hyacinths, Narcissus, etc., etc. Special prices on application.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., NEW YORK CITY.

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SUZUKI & IIDA,

No. 15 Broadway, NEW YORK. No. 3 Nakamura, YOKOHAMA.

Headquarters for Japanese Lily Bulbs, Nursery Stock, Seeds, etc., of **OUR OWN** Nurseries and Farms.

WHOLESALE ONLY. SEND FOR QUOTATIONS.



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The LARGEST STOCK west of New York.

GEO. WITTBOLD, 1708 N. Halsted St., CHICAGO

Bulbs

Of any kind quoted f. o. b. at lowest rates, by

HULSEBOSCH BROS., Englewood, N. J.

PALMS.

CHEAP.

Nice, bushy plants, grown for home trade.

LATANIA BORBONICA. Per 100
3-inch pots, showing character leaves.....$10.00
4-inch pots, 12 to 15 inches high..... 25.00

ARECA LUTESCENS.
3-inch pots..... .....$10.00
4 inch pots, 15 to 18 inches. 25.00

PANDANUS UTILIS.
3 inch pots, nice bushy plants..... .....$10.00
3½-inch pots, nice bushy plants..... ..... 15.00

FERNS Assorted.
2-inch pots..... .....$ 1.00

PANSY PLANTS.

Vaughan's International Mixture. By mail 65 cts. per 100; $3.00 per 1000 by express.

CASH WITH ORDER.

GROHMANN BROS.

317 Fitzhugh St., SAGINAW, E. S., MICH.

CYPERUS ALTERNIFOLIUS.

2½-inch pots . . . . . 40 cts. per doz.; $2.50 per 100

GREVILLEA ROBUSTA.

2½-inch pots . . . . . 40 cts. per doz ; $2 50 per 100

ASPARAGUS TENUISSIMUS.

3-inch pots . . . . . 50 cts. per doz.; $3.50 per 100

CALIFORNIA VIOLETS.

Field grown . . . . . .$4.00 per 100

CARNATIONS.

Mapledale (new). . . . . .$8.00 per 100

Medium sized plants of the following standard varieties, $4.00 per 100: Portia, Wm. Scott, Della Fox, The Stuart, and Tidal Wave.

NATHAN SMITH & SON, Adrian, Mich.

VIOLETS.

MARIE LOUISE,

Healthy stock. Good plants—never had better.

FIELD-GROWN CARNATIONS.

STANDARD VARIETIES. No disease.

400 extra good 2½-in. **SMILAX PLANTS.**

A. WASHBURN & SON, Bloomington, Ill.

BOUGAINVILLEAS.

Beautiful for "cutting" or pot sale.

Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests.

Send for "Comments and Facts."

THEO. F. BECKERT, Glenfield, Pa.
9 miles below Pittsburg, Pa.

300,000 SMALL and LARGE FERNS

In variety; well grown; reasonable prices. Send stamps for samples.

COCOS WEDDELIANA, 2½-inch pots, at $6.00 per 100.

CARNATIONS from field, Victor, Daybreak, Scott, McGowan, K Clover and Eldorado.

B. REDFIELD, Glenside, Pa.

COLLECTION OF PALMS. A BARGAIN.

2 Seaforthia elegans, 5-inch, at .....$	.45
2 Oreodoxa regia, 4-inch, at.....	.50
2 Latania borbonica, 4-inch, at.....	.25
2 Cocos plumosa, 3 inch, at.....	.50
4 Phœnix reclinata, 3-inch, at.....	.10
4 Latania borbonica, 3-inch, at.....	.10
2 Seaforthia elegans, 6-inch, at.....	.60
2 Rubber plants, 4-inch, at.....	.50
2 Sword Ferns, 3 and 4-inch, at.....	.10
Above collection of fine plants for $5.00.	
Cash with order.	$6.20

WILLIAMS & SONS CO., Batavia, Ill.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

CHICAGO FLOWER SHOW!

Nov. 9th to 13th inclusive.

International Competiton in Chrysanthemums.

56 PREMIUMS OF $5.00 EACH FOR BEST 12 BLOOMS,

12 vars. from each State, Territory and Canadian Province.

$50.00 Special Premium for Best 12 Blooms
to be competed for by the blooms winning above prizes.

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THE HORTICULTURAL SOCIETY OF CHICAGO,
Room 202, 185 Dearborn Street, CHICAGO.

AUCTION! Wednesday, Oct. 6, 1897.

10 O'CLOCK A. M.

Entire Stock of Decorative Plants of

ALEX. WALDBART, S. E. Cor. Chestnut & Grand Aves., ST. LOUIS, MO.

Extra large sized Palms in oak tubs, 12x12 feet; Cycas, Seaforthias, Arecas, Kentias, Phœnix; large lot of Ficus nidus, Crape Myrtles, Pittosporums, Azaleas, Asparagus, Ampelopsis Veitchii, English Ivies, Agaves, Yuccas, etc. Also two boilers, piping, and glass, offered to the highest bidder, in lots, for cash, without limit or reserve. Just the size for immediate use.

DURING FAIR WEEK. **A. A. SELKIRK & CO., Auctioneers.**

FIRST-CLASS FORCING ROSES.

Fully equal to those sent out the last four years, first-class in every respect. Only selected growth from flowering shoots used in propagating.

250 METEORS,	700 PERLES,	550 SUNSETS,	750 KAISERINS,
700 LA FRANCE,	400 SAFRANO,	200 GONTIER,	

3-inch pots, $5.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

When writing mention the American Florist.

FERNS.

We make a Specialty of small Ferns for the Fall trade.

Write for special prices on large quantities. Order early.

JOHN SCOTT,
Keap Street Greenhouses, BROOKLYN, N. Y.

ROBERT CRAIG,

Roses, Palms,
AND
Novelties in Decorative Plants

MARKET AND 49th STREETS,
PHILADELPHIA, PA.

HARDY
Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA.

PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

CYCLAMEN GIGANTEUM.

3-inch pots ..... .$ .75 per doz.; $ 6.00 per 100
3½ inch pots..... 1.25 per doz.; 10.00 per 100
5-inch pots..... 2.25 per doz.; 20.00 per 100

☞ Cash with the order please.

JNO. E. DE WALT, Box 82, Carlisle, Pa.

THE AMERICAN FLORIST'S COLOR CHART

is now accepted as the standard in preparing color descriptions, by many foreign houses as well as in America.

PRICE 15 CENTS POSTPAID.

AMERICAN FLORIST CO., 322 Dearborn St., Chicago

BOUVARDIAS—Double pink and white, fine plants from open ground, $5 00 per 100.

CARNATIONS—Fine assortment, field-grown, $5 00 per 100.

SMILAX—Strong, 2½-inch, $2.50 per 100; $15.00 per 1000.

AMPELOPSIS VEITCHII—Strong plants from 4-inch pots, $6 00 per 100.
Send for Fall Trade List.

VICK & HILL CO., ROCHESTER, N. Y.

ROSES. ROSES.

Good, strong plants from 2½-inch pots.

	Per 100
BRIDES and BRIDESMAIDS, -	$2.00
PERLES and METEORS, - -	$3.00

CASH WITH ORDER.

CHAS. KOEPPEN, Sedalia, Mo.

	Per 100
SMILAX—Strong 1 year.....$1.50 and	$2.50
CLEMATIS—Leading kinds for fall.....	
PÆONIAS—Herbaceous, choice asst.....	8.00
NARCISSUS—Double and single Poets.....	.75
RED JACKET COOSEBERRIES—Very low prices.	
DOWNING COOSEBERRIES—1 and 2 year.	
DAISIES—Snowflake and Snowdrift.....	2.00
H. P. ROSES—In assortment.....	10.00

F. A. BALLER, Bloomington, Ill.

Smilax Plants

from 3-inch pots, $2.50 per 100; $20.00 per 1000. It pays to buy strong plants.

JOSEPH E. BONSALL, Salem, Ohio.

Mention the American Florist when writing to advertisers on this page.

Rochester, N. Y.

TRADE SATISFACTORY.—CARNATIONS RATHER SCARCE.—ROSES OVERABUNDANT.—NO SEVERE FROST YET.

The trade in cut flowers has been quite satisfactory for the past week considering the time of the year. Most people are now returning from the watering places and summer resorts and consequently more flowers are used. Small weddings in and around town are frequent and they always create more or less demand. The decorations for fall openings in our principal drygoods stores were as extensive and elaborate as ever before and although the proprietors are not willing to pay the highest prices on such occasions, the florists can well afford to furnish plants, flowers and the necessary labor at a lower figure during the duller season of this month than they could at any other time.

Carnations are still rather scarce in the market, roses not over-abundant. Asters are past their best; last week an immense quantity was used up in one way or another and now good flowers are scarce. Dahlias are plenty yet, for we have had no severe frost so far, though we may look for it any night. The violets which are offered here and there in the stores have improved but do not show their full size as yet. Anemones and other out door stuff are very plenty but the long continued dry weather has injured the quality.

Plant trade is about like last week's; the principal call is for the smaller sized palms which retail at from $1 to $2.50 or $3. Very few larger plants have been sold this fall but hopes are entertained that later on there will be a demand for the higher priced specimens. K.

Knoxville, Tenn.

Business has been remarkably good all through the summer and the yellow fever scare has not lessened it in the least. C. W. Crouch has been very busy for some time improving his plant. He has pulled down and rebuilt 3 rose houses 100x18, 1 fern house 70x20, built a new palm house 100x18, propagating house 100x10, violet house 100x10, two greenhouses 100x18, and expects to add two more before the winter.

Messrs. Richardson & Co. have retired from business and have disposed of their glass, boiler and pipes to Mr. Crouch. W.

LENOX, MASS.—At the next meeting of the Lenox Horticultural Society, Mr. J. F. Huss will read a paper on ferns. There will be an exhibition of ferns, orchids and miscellaneous plants and flowers. For October 16, there will be an exhibition of roses, vegetables, fruit, etc., and Mr. E. Jenkins will read a paper on roses.

HARTFORD, CONN.—The September exhibition of the Conn. Horticultural Society was held at Good Will Hall last week. Plants, fruits, flowers and vegetables were shown in more than usual quantity and the displays were very fine. W. B. May, T. J. McRonald, Mrs. A. Trask, Robert Patchet and J. Albison were the principal contributors of flowers and plants.

ROSES. Extra fine stock, clean and healthy.

BRIDE and BRIDESMAID, from 2½-inch pots, $20.00 per 1000; $2.50 per 100.
BRIDE and BRIDESMAID, from 3½-inch pots, $35.00 per 1000; $4.00 per 100.
KAISERIN, $3.00 per 100.
SMILAX PLANTS, $1.50 per 100.
TERMS CASH.
NATIONAL PLANT CO., Dayton, O.

CARNATIONS. 50,000 strong and healthy field-grown CARNATIONS.

WM. SCOTT, ROSE QUEEN, TIDAL WAVE, NANCY HANKS, PORTIA, LIZZIE GILBERT, CORSAIR, STORM KING, IVORY.

$3.00 per 100; $25.00 per 1000. No order for less than 100 accepted.

REINBERG BROS., 51 Wabash Ave., CHICAGO.

4 Acres Field-Grown Carnation Plants, 94,000.

Our carnations are grown with the greatest care, and are first-class plants. Free from disease. We pack light by our improved system of packing, by which we can send them to all parts of the United States and Canada in perfect condition.

CRIMSON SPORT, IVORY $1.50 per dozen. DEAN HOLE $8.00 per hundred. BUTTERCUP
BRIDESMAID, DAYBREAK, ALBERTINI, BRIDE OF EARLESCOURT $1.25 per dozen. $6.00 per hundred. CHESTER PRIDE, NICKELSON
SWEETBRIER, LIZZIE McCOWAN, MRS. CARNEGIE, L. L. LAMBORN, SILVER SPRAY, PORTIA, MRS. FISHER, CRACE WILDER, PURITAN, WM. SCOTT, ROSALIND
$1.00 per dozen. $5.00 per hundred. $45.00 per thousand.

J. L. DILLON, BLOOMSBURG, PA.

ROSES—Clean, strong and carefully grown. Delivered free in New York or Philadelphia.
AMERICAN BEAUTY, 3½-inch $8, 4-inch $12 per 100. **BRIDESMAID, PERLE,** 4-inch $6.00 per 100. **METEOR, KAISERIN, BRIDE, LA FRANCE,** 3½-inch $5.00. Special rates on quantities.
SMILAX, $1.00 per 100. ASPARAGUS PLUMOSUS. CALIFORNIA VIOLETS.
A. S. MacBEAN, Lakewood, N. J.

CARNATION PLANTS

We offer for sale an extra fine lot of

ROSE QUEEN CARNATIONS

now in the field. Have about 5000 plants.

PRICE, $3.00 PER HUNDRED.

No other varieties left.

BASSETT & WASHBURN, Hinsdale, Ill.

VIOLETS

Marie Louise, and California.

Strong, well established, clean, healthy plants, from 4-inch pots, at $4.00 per 100. Field-grown clumps of California at $5.00 per 100.

Carnations.

Daybreak, Silver Spray, Rose Queen, Garfield and Portia.

Clean, healthy, field-grown stock, at $4 per 100. Samples mailed on receipt of 10c to cover postage.

L. L. MAY & CO., St. Paul, Minn.

Surplus Carnations.

I have **2000 CARNATIONS**, field-grown, at $4.00 per 100, in the following varieties:

200 Tidal Wave, 200 Wm. Scott, 200 Daybreak, 200 Meteor, 100 Bridesmaid, 400 Minnie Cook, 300 Rose Queen, 400 McCowan

SEND FOR SAMPLES.

W. A. WETTLIN, Hornellsville, N. Y.

ASPARAGUS PLUMOSUS PLANTS.

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Portia, Hector, McGowan, T. Cartledge, Daybreak, Fisher, 4000 Alaska, $5.00 per 100. CASH WITH ORDER.

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Field Grown **CARNATIONS**

Good, healthy stock, $3 per 100. Cash with order.

1000 Craig, 1000 Goldfinch,
1500 Alaska, 1000 Rose Queen,
150 Peachblow, 500 Della Fox,
3000 Scotts, 500 Albertini,

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5000 LATANIA BORBONICA, 4 inch pots, $15 per 100.
2000 FERNS—Nephrolepis exaltata, 3-inch pots, $10 per 100.
1000 Nephrolepis Bostoniensis, 3-inch pots, $12.00 per 100.
1000 Cordata compacta, 3 inch, $12.00 per 100. All very fine plants.

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Orchid Growers and Importers, SUMMIT, N. J.

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New Pedigree Cannas.

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1000 WM. SCOTT, 500 TIDAL WAVE,
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Strong, field-grown plants.

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McCowan, Scott, Daybreak, Buttercup, Eldorado, Portia, A. Webb, Louisa, Kitty Clover. Good healthy plants, $4 per 100; $35 per 1000.

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Single Violets.

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Princess de Galles	$1.00	$7.00
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2000 Wm. Scott and 1000 Uncle John, at 5c. Clean as a whistle. No rust.

Also 4000 field-grown Roses, 15 to 20 inches, at 6c. Bride, Bridesmaid, La France, K. A. Victoria, and White La France.

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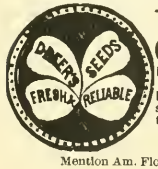
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THE BEST.

SEED, $1.25 per 1-4 ounce. PLANTS, $5.00 per 1000; 75c. per 100; 2,500 for $10.00.

SMILAX, fine plants at $1.25 per 100; $10.00 per 1000. Sample for 10 cts.

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HERR'S CARNATIONS

2000 McGOWAN,
1000 ARMAZINDY,
700 ABUNDANCE,
500 PORTIA,
300 ALASKA,
500 CARTLEDGE,

} 5c. EACH.

3000 TRIUMPH, the best pink in every particular I ever grew, at $7.50 per hundred.

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Border Geranium "MARS," doz. $1.50;	15c
Canna BURBANK, strong clumps	$1.25
" AUSTRIA, " "	.50
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2 year old SOUPERT ROSES, strong, 8 cts. each; $7.50 per 100.

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Field-grown in heavy soil: 500 SCOTT, 500 BRIDESMAID, 175 PURITAN, 75 DEAN HOLE, 50 T. CARTLEDGE. Perfectly healthy, sturdy plants, at $6.50 per 100.

VIOLETS. Extra large clumps, good plump crowns, 1000 MARIE LOUISE and 500 CALIFORNIA, at $4.00 per 100. Cash with order.

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Free from Disease. Field-grown.

ROSE QUEEN, SCOTT, IVORY, PIERSON.

Write for prices.

VIOLETS. 1,000 LADY CAMPBELL, field-grown, at a bargain.

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PANSIES that PAY and PLEASE

Our strain of Select Giant Bugnot and best Novelties for large blooms and beautiful coloring are up to any other best. Robust field plants, 60c per 100; $4.00 per 1000. Large lots special price. SEED, 1-16 oz. 30c; 1 oz $4.50.

Ceraniums, 50,000 under way; Coleus, Begonias, Petunias and Verbenas are Specialties.

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Marie Louise Violets and Carnations.

Field-grown, $4.00 and $5.00 per 100.

Florida Hot Water Boiler No. "H", for sale cheap.

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LARGE FIELD-GROWN PLANTS.

MAYOR PINCREE, MORELLO, MAUD DEAN, LILY DEAN, HARRISON'S WHITE,	Per doz. $1.50 Per 100 $10.00
JUBILEE	Per 100 $8.00
DELLA FOX, DAYBREAK, ELDORADO, EMILY PIERSON, IVORY, LIZZIE McCOWAN, MINNIE COOK, PORTIA, ROSE QUEEN, SILVER SPRAY, TIDAL WAVE, WM. SCOTT,	Per 100 $6.00 Per 1000 $50.00

Send for Special Price List on Palms and Ferns.

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JUBILEE CARNATIONS.

Growing in 3-inch pots, at $10.00 per 100. Quantity limited.

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Field-grown, at $1.50 per dozen; $10.00 per hundred.

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The Cottage Gardens,

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SPECIALTIES IN

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Send for our Price List.....

E. G. HILL & CO.,

Wholesale Florists

RICHMOND, INDIANA

PRIMROSES.

	Per 100
CHINESE PRIMROSES, 3-inch pots	$2.50
CINERARIAS, ready Nov. 1st	2.50
CHRYSANTHEMUMS, 20 vars., 5-inch pots	8.00
PANSY PLANTS, ready Oct. 15th, 1000 $3.50,	.60

CASH WITH ORDER.

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STOCKY. FIELD-GROWN **CARNATIONS.**

New and standard vars., $5.00 per 100 and upward.

GEO. HANCOCK & SON, Grand Haven, Mich.

Pekin, Ill.

"There is no doubt about it," remarked Mr. Geo. A. Kuhl to your correspondent during a recent visit to his place, "that a revival of business has set in which promises a gradual and steady improvement." Situated in the very midst of the agricultural district and being a man of a penetrative turn of mind and of sound business judgment, Mr. Kuhl's words are certainly significant.

That Mr. Kuhl entertains the most sanguine hopes as to the future outlook is further attested by the extensive improvements that have been going on at his own place during the past three months. His entire plant has been thoroughly overhauled and remodeled and four additional houses, each 22x58, have been recently built. All told, Mr. Kuhl has 19 houses, covering over 50,000 square feet. A stroll through Mr. Kuhl's greenhouses was a treat long to be remembered, for never have I beheld stock at this season of the year in as fine condition. The ten houses of roses, comprising the best standard varieties, are doing splendidly, the stock looking clean, healthy and vigorous. His carnations are likewise in the pink of condition, while the chrysanthemums promise to excel any of his previous efforts.

The benches in the carnation houses are 6 feet wide, the bottoms of tiling on iron supports. They were evidently made to last.

Mr. Kuhl has recently returned from a pleasant trip to Mackinaw Island.

HOMO.

Greenhouse Building.

Stoughton, Mass., Frank Howell, one small carnation house.

Du Bois, Pa., W. J. Olds, one commercial house 20x100.

West Brook, Me., B. D. Elwell, one conservatory.

Wilmington, Del., Riverview Cemetery, one greenhouse.

Thompsonville, Conn., E. W. Bailey, one greenhouse.

Reading, Mass., Chas. Ingram, one carnation house 18x100.

Portsmouth, N. H., A. H. Stacey, one commercial house.

Fryeburg, Me., C. F. Goodnow, one greenhouse.

Brighton, Mass., G. A. Black, one violet house 22x64.

Kennett Square, Pa., J. C. Chrieff, six commercial houses.

Clinton, Mass., F. P. Sawyer, small commercial house.

Glastonbury, Conn., J. R. Morgan & Son, one carnation house 22x150.

Pine Bush, N. Y., Mrs. S. C. Howell, two commercial houses.

Olney, Pa.—J. L. Nichols, two greenhouses 10x80 each.

Grand Rapids, Mich.—C. W. Garfield, four vegetable forcing houses, each 20x110.

Reading, Pa.—Geo. F. Baer, one conservatory, 28x60.

Newton, Mass.—Robert Rodden, one carnation house 20x130.

Messrs. Hitchings & Co. are erecting in the vicinity of Boston, the following greenhouses: Mt. Hope Cemetery, one plant house 25x100; W. W. Wood, Andover, plant house and grapery 22x50; H. Dumaresq, Chestnut Hill, palm house 20x100; The Misses Walker, Waltham, plant house 30x50 and nectarine house 10x70; Peter B. Bradley, Hingham, palm house 35x35, rose house 20x100, plant house 20x50, grapery 24x100, and 230 running feet of vegetable and fern houses,

ROSE HILL NURSERIES.

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TWO WEEKS. "SPECIAL OFFER" FOR TWO WEEKS.

A Few Specialties:

ARECA LUTESCENS, 5-in. pots, 15–18 in. high, 7–8 in. pots, 8 ft.
COCOS WEDDELIANA, 2½ to 5-inch pots. Beautiful stock.
LATANIA BORBONICA, in all sizes.
KENTIA BELMOREANA, finest stock ever offered, in all sizes.
PHŒNIX Reclinata, Rupicola, Canariensis, different sizes.
DRACÆNAS, 10 vars., colored and coloring.
DRACÆNA canes, grand lot in fine shape, 13 varieties. (Last offer).
FICUS ELASTICA, 10,000 beautiful plants, 50c and 75c each.
FERNS—Nephrolepis cordata compacta. The finest in the country.
Nephrolepis dav. furcans, grand stock (two houses).
Nephrolepis Bostoniensis. Ferns for jardinieres, in 6 varieties, 2¼-inch pots.

If you are in the market to buy and get the finest stock, give us a call. Home-grown and cool grown stock. Write for prices.

Write, Telegraph or Telephone, and our carriage will meet you.

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FIELD-GROWN CARNATIONS.
Clean, strong, healthy stock; all varieties.

PALMS AND FERNS.
Best commercial varieties and sizes; prices moderate.

CUT FLOWERS.
Large and fine stock always on hand.

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Best workmanship; lowest prices.

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Romans, Harrisii, Calla, Chinese Lily, and all Dutch Bulbs now ready.

Send for our PRICE LIST. **ELLIS & POLLWORTH, Milwaukee, Wis.**
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CARNATIONS.
Rose Queen, Silver Spray, Daybreak, Portia.
Fine, stocky, field-grown plants.

SMILAX.
A few thousand Smilax, good strong plants in 2½-inch pots.

VIOLETS.
Marie Louise, clean, healthy plants.
Write for prices.

GEO. SOUSTER, Elgin, Ill.
Mention American Florist.

FERNS.
Strong plants, grown outside all summer. **P. hastata, P. cretica albo lineata, P. adiantoides, etc.**, 3-inch pots, $6.00 per 100; $55.00 per 1000.

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We have a large assortment of Dwarf, Large-Flowering Cinerarias. Our strain of this beautiful plant is conceded to be the best.
2½-inch, $2.50 per 100; $20.00 per 1000.

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PRIMULA, transplanted seedlings, from flats $1.50 per 100.
FERNS, 3-inch pots.....$5.00 per 100
CARNATIONS. Field grown Lizzie McGowan and Scott. Write for prices.
VIOLETS. Marie Louise, strong field grown. Write for prices.
HYDRANGEA HORTENSIS, rooted cuttings.....$3 00 per 100
SWAINSONA.....$2.00 per 100
ABUTILON Souvenir de Bonn and Golden Fleece...$3 00 per 100
GERANIUMS. Rooted cuttings.... .$1.50 per 100, $12 00 per 1000

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IN BEST VARIETIES.
ROSES, from 3-inch pots.
CARNATIONS, for fall delivery
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SMILAX.
VIOLETS.
Prices low. Send for list.

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Ferns. Ferns.
PTERIS TREMULA and ARGYREA.
Fine plants, $4.00 per 100. From flats, $2.50 per 100. Will exchange for Pandanus utilis, Marie Louise Violets, clean plants. Send samples.

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THE ENTIRE STOCK OF PLANTS OF

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Will be offered for sale without reserve on **October 4th, 5th, 6th and 7th,** next. The stock consists of over **100,000 PALMS IN SPLENDID CONDITION,** in such standard varieties as **Areca Baueri, Areca lutescens, Cocos Weddeliana, Kentia Belmoreana, Kentia Forsteriana, Latania borbonica, Phœnix reclinata, Livistona rotundifolia, etc., etc. ALSO the finest stock of Adiantum Farleyense ever seen in this country,** and a general assortment of other **Ferns,** as well as a very fine lot of **Ornamental Foliage Plants** containing many choice things not to be found elsewhere.

Together with all the greenhouses, packing sheds, etc., and all the real estate, which will be sold in four distinct parcels as follows:

No. 1. Contains about 10½ acres, on which are located all the greenhouses, about 80,000 feet of glass, all in excellent condition; a good dwelling house, containing eight rooms; stable, store rooms, packing sheds, several hundred sash and frames, etc., etc. This is a specially favorable opportunity to purchase a well established Florist and Nursery business at a greatly reduced price, within three minutes' walk of the railroad station, and eighteen miles from New York City.

No. 2. Contains about 3 acres, with a good dwelling house on it, within 500 feet of the railroad station.

No. 3. Contains about 6½ acres, now used as an Herbaceous Nursery, and is well stocked with the largest and best collection of these plants in the country. Close to railroad station.

No. 4. Contains about 62 acres, well adapted for an excellent Nursery, Farm, or to cut up for building lots. This is situated on the main road between Short Hills and Summit, and one mile from each station.

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Of our own importation from Japan, we offer the following surplus stock:

SIZE, 5-7 INCH, $8.75 PER BOX OF 500.
" 6-8 " 11.25 " " 450.
" 7-9 " 12.00 " " 300.

Orders only taken for whole boxes.

CASH WITH ORDER.

A. SCHULTHEIS, College Point, N. Y.

FERNS. FERNS. FERNS.

Grand Stock In A No. 1 Shape.

Pteris tremula, cretica, serrulata, plumosa	2½-in., $4 per 100.
" hastata adiantoides	3-in., $6 per 100.
Selaginella Emiliana	
Gymnogramme Martensii, etc.	

Cash or satisfactory references must accompany all orders

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Are impossible if you follow the harmonious combinations of colors for house painting, which you can see on the sample cards of LUCAS PAINT. Send for them. They are practical.

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Areca lutescens, Latania borbonica, Kentias, Cocos Weddeliana, Etc.

HARDY, HOME-GROWN, PERFECT PLANTS, LARGE STOCK OF ALL SIZES.

CALL AND SEE THEM. They will BEAR INSPECTION.

Wholesale List on application.

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ORNAMENTAL TREES AND SHRUBS.

Roses, Bulbs and Hardy Perennials

In Large Assortment and of Superior Quality.

Fully believe that we can show more Ornamental Trees and Shrubs, and a larger, finer block of Hardy Roses, Hybrid Perpetual Moss and Climbers of the leading popular varieties including the famous Crimson Rambler than can be seen elsewhere. We have 32 greenhouses, several of them devoted to Palms, Cycas, Ficus and Araucaria Excelsa. Personal inspection and correspondence solicited. Catalogue free.

THE STORRS & HARRISON CO., Box 5 Painesville, O.

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HIGH GRADE BOILERS.

STEAM AND HOT WATER

FOR GREENHOUSE WORK.

Write for catalogue and prices.

GIBLIN & CO., Utica, N. Y.

VIOLETS. SMILAX.

Buy good, healthy stock, and make money.

VIOLETS Marie Louise, field-grown, large, and NOT A SPOT (have never been troubled with disease in this section) $4.00 per 100; $35.00 per 1000. 2nd size Violets will be $3.00 per 100; $22.50 per 1000.

SMILAX from 2 and 2½-inch pots, strong, cut back once, $1.25 per 100; $10.00 per 1000. ☞ Cash or good references with order please. Samples by mail 10c. Write for special price on large lots.

R. KILBOURN, Clinton, N. Y.

Louisville, Ky.

F. Walker & Co. had quite a large decoration last week for one of the largest dry goods houses in the city. The building was effectively decorated from the basement to the 4th floor with goldenrod, palms and flowers, for which F. Walker & Co. deserve great credit.

The Louisville florists have been doing quite a large business in cut flower work the past week for the different openings of dry goods and millinery stores. Since the cool weather business has been very good.

Mr. Paul Berkowitz, of Bayersdorfer & Co., was in the city a few days ago and says that trade is very good.

Mr. Julius Buser has added to his large plant two new houses which are full of Beauties, Meteors and carnations. His entire stock is looking fine.

Mr. Louis Kirch has a fine lot of carnations this year, much larger and better than ever before. He expects to realize quite a good bit on his stock this fall and winter. Mr. Kirch says he thinks business will be good from now on as the weather is in the growers favor.

All the florists are kept busy now and the dull season is about over.

FRED HAUPT, Sec'y Ky. S. of F.

Des Moines, Ia.

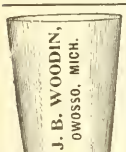
Trade is some better at this writing than for the past month, but not up to normal yet.

Our state fair was held last week. The display of plants and cut flowers was good considering the dry season. The premiums are not large and outside florists did not exhibit.

The annual picnic of the Des Moines Florists' Club was held September 23 at Union Park, and although late in the season the weather was fine, mosquitos also. Twenty-four sat down to the supper, which was so bountiful that some wanted to come back next afternoon on condition that the ladies would provide as bountiful a feast. Several firms were not represented at all.

Carnations are nearly all housed and looking fairly well. 'Mums are late, but promise good results. J. T. D. F.

POUGHKEEPSIE, N. Y.—The great Dutchess county exhibition will be held at the Armory in Poughkeepsie on November 3, 4 and 5. A very large number of special premiums have been contributed, a list of which may be obtained of the secretary, W. G. Gomersall, Fishkill-on-Hudson.



JUTE PAPER POTS

Finest thing on earth for Shipping Plants.

VERY STRONG, LIGHT, NEAT and ATTRACTIVE.

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MANUFACTURERS OF

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GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Broadway, NEW YORK.

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STANDARD FLOWER POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.

A. H. HEWS & CO., N. Cambridge, Mass.

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FLOWER POTS, BULB PANS, HANGING BASKETS AND SAUCERS

OUR Flower Pots are standard measure and all first-class and we assure you they will give good satisfaction. We call your attention to our new pots, 6, 7, 8 and 9-inch, called the "Poro Pot." They are more Porous than any pots, smoother inside and outside, perfect drainage, and are easily washed and cleaned. Give them a trial and you will not want any other. Remember, these Pots are as cheap as any other Pot on the market. Write for price list.

SYRACUSE POTTERY CO., SYRACUSE, N. Y.

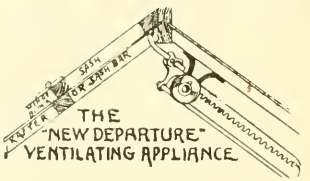
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We Manufacture all kinds of Flower Pots, etc. Making a Specialty of

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Send for price list and samples (which will be sent free and we know you will give us your order:

J. G. SWAHN'S SONS, Minneapolis, Minn. P. O. Box 78.

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It costs 4 cents for each 600 feet of floor space.

Kill AND SAVE the BLOOMS Bugs!

Does not injure the most sensitive plants. Endorsed

Nikoteen

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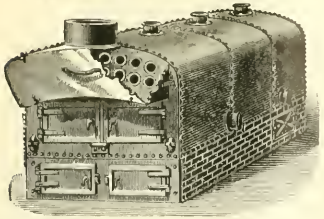
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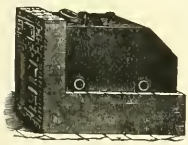


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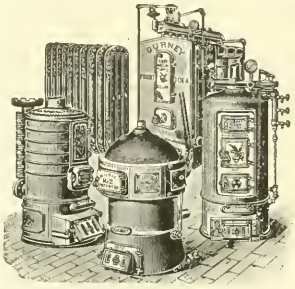
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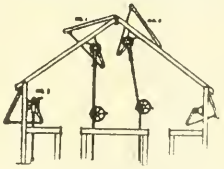


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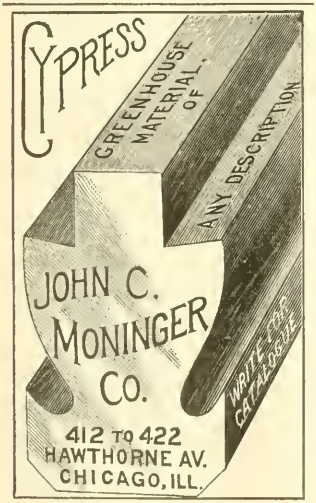
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ANDOVER, MASS.—The florists and gardeners of Andover contemplate holding a chrysanthemum exhibition on November 5 and 6.



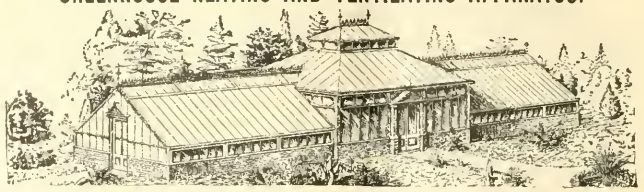
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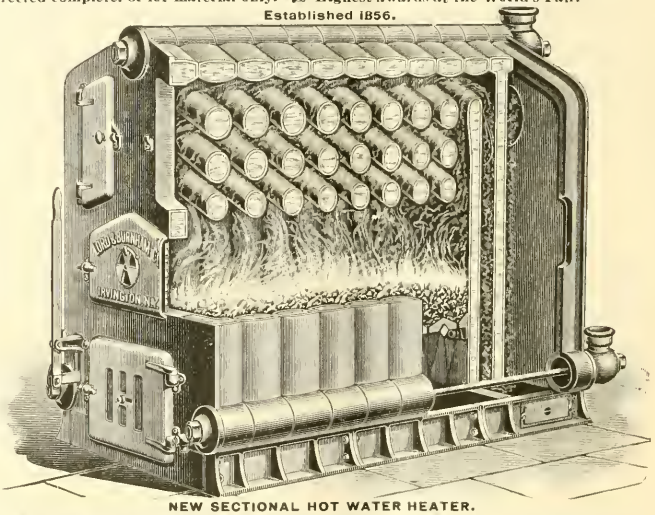
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Vol. XIII. CHICAGO AND NEW YORK, OCTOBER 9, 1897. *No. 488*

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OFFICERS-ELECT (To be installed Jan. 1, 1898)—Wm. F. Gude, Washington, D. C., president; A. Donaghue, Omaha, Neb., vice-president; secretary and treasurer as before.

The fourteenth annual meeting will be held at Omaha, Neb., August, 1898.

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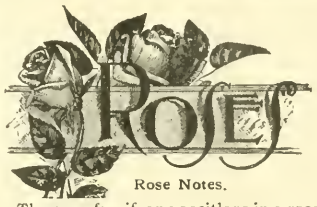
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OBITUARY.

WILLIAM A. STILES, one of the park commissioners of New York City, and formerly managing editor of *Garden and Forest*, died October 6 in Jersey City, N. J., of cancer in the stomach.

Mr. Stiles was 60 years of age and a bachelor.

GENEVA, N. Y.—The large safe in the office of the W. & T. Smith Nursery Co. was blown open on Thursday last by burglars. Forty dollars was the amount of the plunder taken.



Rose Notes.

There are few if any positions in a rose growing establishment so hard to fill satisfactorily as that of night fireman. He should be a combination of mechanic, florist and fireman, and should be the essence of faithfulness, honor and trustworthiness, and above all a sober man; if not quite up to the standard as a mechanic, etc., we may get along fairly well provided he has good sense, and is sober and trustworthy, but the latter qualifications are absolutely essential. A poor grower may spoil a house or two of rosss through his negligence or incapacity, which is bad enough, but a fireman addicted to intemperance, or one that is not faithful to duty may fall asleep at his post, and going out in the morning we may find the work of months destroyed. At least two such cases have come under my observation and I always feel very happy if I have a fireman who can be trusted implicitly.

There are several devices that have been tried more or less for checking the fireman and minimizing the risk in the event of neglect on his part. One of the best that I have seen is the watchman's clock, a very ingenious piece of mechanism that he carries with him when making his rounds. In the center of the clock and exposed to view only when the clock is opened (a difficult feat except with the proper key) is a kind of roller which revolves once in twelve hours. To prepare it for use a narrow strip of paper the proper size is wound round the roller and made to adhere to it, the paper is lined horizontally and vertically, 12 vertical lines to indicate the hours, and the horizontal ones to correspond in number with the number of greenhouses. It is fitted with as many keys as there are greenhouses, all dissimilar, and these are chained to a post close to the thermometer, one in each house; the watchman making his rounds takes the houses in rotation and after looking at the thermometer inserts the key and gives it one turn, and so on through all the houses. The turning of the key punches a hole in the strip of paper on the line corresponding to the number of the greenhouse and in the proper hour column so that when the clock is opened in the morning we see at a glance how many times, and the hour at which each house was visited. I know from experience that he is a very smart man who can skip his work and escape being given away by the watchman's clock.

Another tell tale is the thermostat and electric bell, a simple and comparatively inexpensive arrangement operated by a small battery. The thermostats, one in each house, can be set at any temperature to suit the plants and in case the temperature of any of the houses goes beyond the maximum or minimum at which the thermostat is set the alarm goes off and will keep on ringing until the conditions are changed or the current is switched off. With this system working properly cooking or freezing is entirely out of the question.

Another and more simple test of the faithfulness and veracity of the fireman can be made by having a few self-registering thermometers secreted here and there among the bushes, shifting them every day and when we are compelled to complain of the uneven temperature it will be very easy to furnish the proof. Of couse a thoroughly reliable and conscientious man is worth infinitely more than any or all of these devices, and with such a one they will not be necessary, but most of us will be compelled to admit that we have no great superabundance of faithfulness, and we sometimes find the least at the critical moment where we expected to discover the most.

It is a mooted question how large a place must be in order to afford a regular fireman. I think that any concern boasting 25,000 square feet of glass may not simply incur the expense but will actually save money by having a night man; there will be a considerable saving of fuel, and the greenhouse men being relieved from night duty will do much better work during the day; but above all the uniform temperature as a result of continual watchfulness must help materially to improve the stock and quality of the bloom.

It is well to have at least two thermometers in each house and in very long structures one to every hundred running feet; they should be encased in neat wooden boxes to shield them from the sun and to secure a correct indication of the actual temperature. For the benefit of the fireman whose memory need not be taxed unnecessarily, and the man in charge during the day whose memory will be refreshed wonderfully by it, it is well to mark plainly on a piece of card board and have the latter in a conspicuous position near the thermometer the temperature required during the night, the mean day temperature in cloudy weather, and the minimum and maximum of heat desirable when the sun shines.

ROB'T SIMPSON.

FISHKILL, N. Y.—J. G. Burrow has sold his business to Trowbridge & Holmes, who will continue it.



Some Flatbush Carnation Growers.

The Flatbush carnationists are all through with their planting and the interior of the houses already begins to look very attractive, especially in the earlier planted houses, which are now densely crowded with buds. The plants have done splendidly in almost every case, and there is no doubt that the reputation of this section for fine carnations will be fully sustained in the coming season. Lizzie McGowan is still the favorite white judging from the overwhelming proportion in which it is planted. A good many Harrison's White are seen. As compared with Scott this white sport appears to be a much later bloomer. Scott is now thickly set with buds, while Harrison's White planted at same time and given similar treatment shows only an occasional spike. The peculiar characteristic of Scott in coming semi-double early in the season is noted also in its white relative. Eugene Dailledouze remarks that the earlier Scott is planted the more single flowers it will throw.

Dailledouze Bros. have had a fine new iron frame house erected this season by Lord & Burnham. It is 200 feet long with glass front and back bevelled and butted up against the roof glass. Scott is the variety most largely planted at this establishment. There is a full bench of Graham's Victor. They like it very much and find it equally popular with the store men. Of Minnie Cook there is almost an entire house in fine shape. One good feature noted by Mr. Dailledouze regarding this variety is that, as with Helen Keller, everybody cannot grow it. A few Ivory have been planted for a further trial. This variety was not quite satisfactory last season. Flora Hill has been producing some very fine, large blooms and proves to be an excellent keeper. The only dark variety grown here is a seedling which is giving at this early date a fine crop of flowers. Hector is the favorite scarlet. C. A. Dana, Mayor Pingree and other recent introductions, as well as a large number of seedlings, are all being given a thorough test.

Waning popularity and falling prices for chrysanthemums have had their effect here as elsewhere and Dailledouze Bros. have planted one-third less than last year. Bergmann is now being cut and the flowers are very large. A handsome promising yellow is Mrs. Trainor L. Parks, the stock of which is controlled by Messrs. Dailledouze and Ernst Asmus. It has a grand habit and blooms a little ahead of mid-season. Major Bonaffon shows up well, as it always does. The only drawback to this superb variety lies in its brittle foliage, which breaks badly in shipping.

McGowan looks as well if not better than ever before at Suydam's. Here is also seen a pretty sport from McGowan of peachblow color, a lovely flower. Equally interesting is a deep colored sport from Scott, nearly as dark as Tidal Wave. This is planted in considerable quantity and seems to take well with the New York retailers. Harrison's white has made big healthy looking plants with Mr. Suydam but very few flowers as yet. It may be more satisfactory later on. Sebic is grown as the best crimson here. A house of McGowan planted July 1 is now in heavy crop.

Two new additions to the ranks of the carnation growers are W. W. and C. Kouwenhoven who up to this season have been forcing vegetables but have been compelled by the low returns to make some other use of the houses and have turned them into carnations. At C. Kouwenhoven's there are three houses of carnations and one of mignonette. Finer carnations it would be hard to find, and this is usually the case when carnations are given a chance at the fine old rich soil that has been used for lettuce and cucumber forcing. One house of Scotts that was planted Easter week, the sashes having been taken off all summer, is a beautiful sight at present. McGowan, Daybreak and Portia also look well. W. W. Kouwenhoven grows the same varieties and they are equally promising.

Over at Woodhaven McGowan has found another congenial spot at Reimels' where in a soil composed entirely of sand and manure it seems to revel. The soil is so light that the plants cannot be staked, as the stakes will not hold up right. One half of the stock of the dark Scotts seen at Suydam's is held by Mr. Reimels, and it looks equally well.



Chrysanthemum Society of America.

The committees judging new seedlings will be in session October 2, 9, 16, 23 and November 6, 13, 20, 27. Exhibitors should make their entries (for which a fee of $2 is charged for each variety entered) to the secretary not later than Tuesday of the week the blooms are to be shown. Blooms forwarded to any of the following addresses, express prepaid, will receive careful consideration:

BOSTON.—A. H. Fewkes, Horticultural Hall.

NEW YORK.—Eugene Dailledouze, care of Dr. F. M. Hexamer, Madison Square Garden.

PHILADELPHIA.—Edwin Lonsdale, 1514 Chestnut street.

CINCINNATI.—R. Witterstaetter, corner 4th and Walnut streets.

CHICAGO.—W. N. Rudd, room 202, 185 Dearborn street.

SILVER CUP.

The Chrysanthemum Society's silver cup to be offered annually will be awarded to the best 6 varieties, 6 blooms each (36 blooms). The first cup will be competed for October 21. Competitors should forward their blooms, express prepaid, to Dr. F. M. Hexamer, Madison Square Garden, New York City. Open to all; no entry fee. Those desiring further particulars address ELMER D. SMITH, Sec'y,
Adrian, Mich.

Gloxinias.

Please tell us how to grow gloxinias in the greenhouse. We could grow them before we went into business, but can't succeed now. They start nicely and bud, then leaves and buds drop and they rest a while, then start up and repeat the same process again. We are careful not to wet the foliage in watering. W. H. G.

The treatment of the gloxinia has often been written up in the FLORIST. It is simply to start in February, March or April; till they form leaves they need but little water, and as they grow in size they need a higher temperature, for they are a truly tropical plant. They can be started in a temperature of 55° to 60°, but will grow and flower better in their normal temperature of 75° or higher. When leaves are well developed they want plenty of water, and if allowed to suffer for want of it will soon show it.

The amount of light or sunshine that a gloxinia needs is perhaps the most particular part of their culture. If we used the style of shading that is generally used in Europe, viz., a rolling cloth of some kind which would shade when the sun was shining brightly, and when not there would be no shade; it would be right for gloxinias. A dark whitewashed house is not the place for a gloxinia, neither is a house where the full rays of the sun are unobstructed. A rather coarse soil that will let water pass freely through is best and you are perfectly right in not letting the leaves get wet, especially on a dull day.

I have seen evidence this summer of what I have often stated, that the gloxinia is one of the very best summer flowering house plants, the dry air of a room and the perfect light of a north window suiting it better than a greenhouse.

WM. SCOTT.

Floral Arrangement at the Hamburg Exposition.

While at Hamburg our correspondent secured a number of photographs of the leading exhibits in the way of floral arrangements. While many of the arrangements are open to criticism from our standpoint, some are really good and all will undoubtedly be of interest. Others will appear in succeeding issues.

AN EFFECT IN RED.

This arrangement impressed Mr. Berterman very favorably, and he thought the red effect very beautiful. The basket is of birch bark and the flowers are anthuriums, amaryllises, and red carnations. Croton leaves and red berries are also used, and the vase finished with a bow of dark red ribbon.

BRIDAL OUTFITS.

The head wreaths were of German myrtle with either orange blossoms (artificial) or myrtle blooms. The hand bouquets were of roses (badly wired) and valley, some with eucharis and bougainvillea. Most of them rather clumsy from our standpoint.

Miscellaneous Seasonable Hints.

POTTING SOIL.

Before you get the fall rains which must come don't neglect to put away in the dry your winter and spring supply of potting soil. We do forget it or neglect it sometimes and the months of March and April find us running round willing to give a good many dollars for a few loads of good soil. That taken in wet in the fall and stored in a shed will take all winter to dry, so get in that most necessary of all your materials, good soil, when it is dry and in a proper condition to handle.

LIFTING ROOTS AND BULBS.

There is no need of lifting such roots as cannas, caladiums and gladioluses directly



An effect in red.

FLORAL ARRANGEMENTS AT THE HAMBURG EXPOSITION.

their tops are cut with the frost, but don't let the frost get near the root. It seems almost certain that gladiolus bulbs will sometimes survive our winters if buried by accident a foot or so below the surface, but for all that they won't stand a degree of frost when dug up and exposed. So don't leave them to dry in the frosty nights as I have seen done and many thousand fine bulbs ruined. Where you can keep potatoes will do for gladiolus. Those that have no better place to store cannas and caladiums can put them under a rose house bench, but not on the moist ground; place them in flats or on boards. Caladiums will winter finely in this place, and so will the cannas, but don't let the drip of the bench fall on them; it must be kept off in some way. The drip will most assuredly ruin a large proportion of your canna roots.

HERBACEOUS PLANTS.

It is a most proper time now to do any planting or transplanting of herbaceous plants. Such plants as pæonies, phloxes, pyrethrums, in fact all the well-known plants of this class will move now with perfect safety and you will have less time to do it in the spring. The plants I have mentioned are considered perennial, and so they are in a measure, but many of them will after a few years begin to go back in quality of flower and vigor of plant unless they are lifted, divided and given fresh and rich soil. There is no time that you can give your herbaceous plants a deep well manured piece of ground so well as when first planting.

CHRYSANTHEMUMS.

Those who think chrysanthemums pay at low prices can hardly have realized the great amount of time and labor that at this time must be spent on them; the work seems endless, but it will soon be over.

The later varieties will now get the last disbudding, and some varieties more than others send out a great many lateral shoots which must be kept pinched off if the best results are looked for. When growing strongly and forming buds the chrysanthemums will take plenty of water. When they begin to show color less is needed, and when well out will bear to be decidedly on the dry side.

Two weeks ago I mentioned that the rust had been cured or stopped on a bench of 'mums last year by the use of the liquid Bordeaux mixture. A month ago a bench of Golden Wedding was attacked by the rust and would, I feel sure, have ruined the lot if left alone. They have been syringed twice a week with the ammoniacal mixture, which has the essential quality of the Bordeaux, viz.: sulphate of copper, and the rust *is stopped*. It has not spread either on the individual plant or on the whole bench. Another year I would certainly use it as a preventive.

The black fly keeps at work right up to time of flowering, and as it is then impossible to use the extract you must give three good doses of tobacco smoke, which will lay the black fly dead at your feet, and I have never found the smoke to hurt either leaf or flower of the chrysanthemum.

AZALEAS.

When your azaleas arrive, which will be soon, don't forget to soak the ball in a tub of water for a minute or two. You never can get the dry ball thoroughly wet by watering. Don't be afraid to pare away some of the ball if too large, and pack the new soil firmly round the roots.

CARNATIONS FOR BEDDING.

If your trade calls for carnation plants for the borders in spring time, and it is very natural and proper that your customers should want them, don't sell them a worn-out plant that has been forced and flowering all winter, but go out to your carnation field now and lift up a few hundred of those that you left when you planted. Small stocky plants are better for this purpose than the larger. Pinch off all flowering shoots, pot firmly in 4½ or 5-inch pots and plunge in a cold frame. They will winter finely and will be entirely satisfactory to your customer and a good paying price is paid for them. $2.50 and $3 a dozen will pay handsomely, for they have taken up no valuable bench room, only a little watching during winter. W. SCOTT.

A Windmill.

Will W. S. kindly tell us what success he has with the "Aermoter" in winter. Also what he would consider a reasonable height for a tank. We have two acres of ground and about 16,000 feet of glass. Our water bill amounts to about $100 per year. S. N. Co.

I am very pleased to give any information I possess about the "Aermoter" windmill and its performance because it has proved such a boon to me. My mill is 60 feet high to center of wheel. The wheel is 8 feet in diameter. The height of the wheel is simply a matter of location; if tall buildings or trees are surrounding it you must be above them. The tower and wheel is made entirely of galvanized steel and needs no painting although a painting may not hurt it. The well from which this mill draws water is for 18 feet a dug well and till a very dry time came did me all right, but when a dry time came with increased want of water I ran short of water; then I drilled down another 32 feet and a 5-inch pipe followed the drill. At the depth mentioned we struck a supply of water that has never yet given out.

There is not the slightest trouble about winter. The upper valve of the pump is 5 feet below the surface of the ground and of course no frost touches it; from there the pipe leads off below the frost line into the greenhouse and then rises to the surface and continues along to the shed and up to the tank, which in my case holds 150 barrels. I cannot speak too highly of the Chicago Aermoter.

Such a mill as I have cost $60; the pump and putting up cost nearly $40 more, but it is a comfort and you will save lots of money if you buy one and cease paying that hundred dollars a year.

WM. SCOTT.

The Hamburg Exposition.

A few words about Wilhelmshohe, near Cassel, Emperor William's summer residence, before continuing about the Hamburg exhibition. Wilhelmshohe is a beautiful spot, created by some landscape architect of long ago, and nature has so assisted the original plan that it is worth a trip to enjoy. No tourist should miss it. It is one of the most lovely places in Germany. Besides the wonderful old pines, lindens, oaks, etc., the collection of deciduous and evergreen trees and shrubs is unlimited. The extensive mountain side is interspersed with rockeries, fountains, waterfalls, temples, retreats, imitation ruins, etc. The bedding near the castle is very artistic and beautiful. The conservatories are well known for the splendid rare plants they possess. Since 1866, when Kurhessen was added to Prussia, Cassel and Wilhelmshohe have improved wonderfully; new wide streets with substantial houses and fine gardens are being laid out around them. It is a health resort. While attending church services in the castle chapel the writer had a good opportunity to see the imperial couple and visitors attending divine service. The chapel holds only about 150 persons, and the privilege was accorded the writer to be present because it was the church of his younger days.

On the way to Hamburg I stopped long enough in Frankfurt o. M. to visit the horticultural exhibition there, which also is kept up all summer, but it is principally a rose display, and the roses were not at their best and the balance was rather neglected; however, some very nice things could be seen. One group of plants in a bed attracted the writer's attention. The group contained Solanums lacinatum, marginatum, cyananthum, robustum, atropurpureum, pyracanthemum, Warscewiczii and De Noteri; also Nicotiana colossea and Wigandia carascana. It was a very showy and striking large group.

A visit to the general market halls did not reveal anything of interest. There are many flower stalls where were blooming pot plants of poor quality, also wreaths, bouquets, and cut flowers, the quality of which was not inviting.

Arriving in Hamburg on August 26, I was ready for duty as judge for the special fall exhibit, which began the next day. The judges' tribunal consisted of twenty sections, five to each section; to each section was given an intelligent guide. Among the judges was Prof. Bailey, of Ithaca, N. Y. I was very glad to meet at least one from America, but this was all; why no more stayed over to see this beautiful show I cannot comprehend; many French, Danish, English and from all European countries, both florists and amateurs, were present. In the writer's section were a French baron from Paris, a Danish florist, a florist from Saxony, one from Brunswick and one American—International indeed.

The first day's work was light, on laurel trees and other specialties, but the next day's judging on floral work was long and tedious. There were so many competitors and only three prizes, with the privilege to give some special prizes, which we did, but of course several dissatisfied competitors have already filed their disapproval, which is the case in each section, and which was expected. To get these protests straightened out, answered, etc., is work for the section presidents and the exhibition committee. At 1 p. m. each day a breakfast was served to all, but what a lunch! a great lay-out with wine, cigars, etc. On the 28th a ride was given the awarding committees through the principal streets and on small steamers through the harbor, which was very interesting and enjoyable, again stopping for lunch on the way with the proper accompaniments. After a drive to the Botanical Gardens the gathering parted.

In the evening the banquet was held in the banquet hall of the main building. The lighting was perfect, the menu good and substantial, the wines excellent, music very good, but the table decorations very scant and poor. The acoustics of the hall were very bad; the speakers could be heard only twenty feet away. Speech after speech followed in German, French, English, Dutch, Danish, etc. Prof. Bailey was, however, not present to talk for our country. After the banquet the members scattered to view the main display below. At 11 p. m. the people were still surging through the main building and through the grounds. With the wonderful illumination of the bridges and buildings, it was a picture long to be remembered. Many friendships were formed, and I am sorry that our great country was so poorly represented.

I have gathered much information on many things and shall write more in my next letter. There are many beautiful things in the floral work and also much rubbish, but in plants everything is A1.

W. B.

New York.

BUSINESS DULL.—A FINE ROSE ESTABLISHMENT.—FLUSHING INDUSTRIES.—SUCCESS OF OLD ROSES AT J. H. TAYLOR'S.—A NEW BEGONIA.—FLATBUSH BOWLERS.—BOTANICAL GARDEN GETS ITS APPROPRIATION.—ANOTHER ORCHID SALE.—DEATH OF CLEMENCE WOCKER, JR.

The improvement noted last week did not last as well as it might, the coming of warm sunny weather again and consequent increase of cut having the usual effect on prices and buyers. Many expressed a wish that a Jewish New Years would come every Monday throughout the season as that occasion proved to be the best day the city flower trade has seen for many moons. Violets show the effects of the summery temperature and the double ones now coming it are pretty poor. Chrysanthemums are on the increase daily with prices downward tending. American Beauty is also coming in freely and with like results. MacDonald & McManus have have had a nice lot of cattleyas in their window on West 30th street each day the past week.

One of the most pretentious of the new establishments in the vicinity of New York is the fine range of rose houses recently completed by Hitchings & Co. for Mr. Thorne at Flushing. There are two houses of 150 feet each, two of 136 each and one of 317 feet in length. Two of Hitchings' new No. 57 heaters do the business for the whole range. Thomas Williams, formerly with S. C. Nash, is in charge. Meteor, Bride and Bridesmaid are grown exclusively, but a few plants of Beauty and Carnot set out as an experiment look so well that both these varieties are likely to be planted in quantity next year, by which time Mr. Thorne expects to have added another 300 foot house.

Flushing looks very pretty in its September dress, in fact it is one of the most attractive of New York's suburbs, and it is a good rose country as well. The John Henderson place, which in past years was so famous for its roses, is now handicapped in the race by its old style houses which can no longer compete with those of modern construction. There are, however, some fine houses of Brides, Bridesmaids, Cusins and Morgans that would be hard to beat for quality, and carnations and chrysanthemums, which are grown in limited quantity are equal to the best.

Over at Bayside, Mr. Taylor's new candidate, Dean Hole, which is a sport from Testout, is being given a chance to prove its value as a commercial rose for the first time and this winter's experience with it will decide its fate. But few blooms are seen on it yet. They are very pretty and seem to hold their form much better than does the parent variety and it is quite fragrant. Mr. Taylor has found his experiments in carrying old roses over from year to year so satisfactory that this season finds him with no young roses on the place excepting one house of Beauties. He has five hundred running feet of houses devoted to Beauty one house being in its third year. This house, at present, is fine and with its long, strong stems, seems to dispute the accuracy of Mr. Simpson's recently published views that good stems cannot be had from old Beauties whereat Mr. Taylor is duly jubilant. The famous house of old Brides now in its eighth year is still fresh and blooming and it looks as though the plants might outlive the house. Mr. Smith, the foreman, agrees with his employer as to the carried over stock and asserts that "the old fellows did the best."

Mr. F. H. P. Imbert, of Wood Ridge, has an interesting novelty in a lot of tuberous begonias of a new type, the petals having tufted excrescences projecting from them which give a peculiar appearance to the bloom. The strain originated with a French house and is controlled for this season by Vilmorin-Andrieux & Co., who are said to have refused to sell any for American use, but Mr. Imbert, who was in France last spring, found a way to procure them. Mr. Imbert is building a palm house which, added to his original house, will make a very fine conservatory. His collection of begonias and caladiums is quite extensive.

The Flatbush Bowling Club is steadily devoting each Thursday evening to practice, and refreshed by the cool fall weather the boys are beginning to pile up the big scores. Last week Alfred Zeller managed to snatch two "pots" from right under Riley's nose. The latter accepted the situation gracefully just as though he meant it. There is talk of appointing a sergeant at arms to hold within bounds the antics of those two youthful urchins Huidmuller and Schmutz. D. Y. Mellis has been very sick for some weeks and is just now convalescent. It will be some time before he will be able to join his associates at the bowling alleys.

The friends of the Botanical Garden have at last been granted that half million dollars, and are supremely happy. The hearing at the Mayor's office last week before the Board of Estimate and Apportionment brought out little opposition, and the views of the Board of Managers of the Botanical Garden were sustained.

Sander will again have a large consignment of orchids to be sold October 15 by Cleary & Co. A fine illustrated catalogue is now circulating and it shows a very tempting array of novelties and standard kinds.

Clemence Wocker, Jr., died on Monday,



Bridal Outfits.

FLORAL ARRANGEMENTS AT THE HAMBURG EXPOSITION.

Sept. 27, aged 19 years, after a lingering illness. He was buried at Evergreen Cemetery, Brooklyn, on Wednesday.

W. H. Fickett & Co. is the name of a new wholesale cut flower place at 482 Sixth avenue.

Boston.

MEETING OF THE G. AND F. CLUB.—IMPROVEMENTS AT W. W. EDGAR'S.—ANNUAL DINNER OF THE CUT FLOWER GROWERS' ASSOCIATION.—LOCAL NOTES.

The first meeting for the season of the Gardeners' and Florists' Club was held on Tuesday evening, October 5. There were less than a score of members present. F. W. Fletcher read a paper on the Horticultural Press. He gave a brief history of horticultural journalism from the date of the establishment of the American Gardeners' Magazine and Register in Boston to the present day. He noted that interest in horticulture and the progress in horticultural literature had been contemporary, but the many periodicals that had started under the guidance of expert horticulturists only to find an early grave showed that ability in horticulture and able management in journalism are not always to be found together. The press has more than kept pace with horticultural progress excepting in the matter of profits and the man who has become rich in conducting a horticultural paper is yet to be found.

Lawrence Cotter, always invincible at statistics, took the floor after the essayist had finished and corrected him on some of his dates and other historical matter and asserted that there are plenty of men who have found the field of horticultural journalism a profitable one and gave a long list of such, beginning with Wm. Robinson of the London *Garden*, who began work at 7 shillings a week and is now a millionaire. Warren Ewell and W. J. Stewart also took part in the discussion.

Adjournment being then suggested Kenneth Finlayson objected and adroitly precipitated a discussion on the question of budded and own-root roses for forcing, and baked soil as a preventive of insects, in which James Wheeler, Lawrence Cotter, William Donald, Mr. Finlayson and others participated. Mr. Wheeler was the attorney for the budded rose system and told of astonishing results obtained from plants on Manetti as compared with those on own roots, both in quantity and quality of product. Mr. Donald said he had tried multiflora as a stock for grafting but found it unsatisfactory as to both foliage and bloom. Warren Ewell brought down great applause by announcing that he proposed to try grafting with his tulips in hopes of getting more bloom.

Mr. Edgar has two large houses of mignonette from one of which he is cutting large quantities of flowers equal to fine winter stock. This is the earliest on record here. Prices realized are low, however, as the garden supply is not yet killed off. Only one house partially filled with carnations now remains and the space once devoted to this specialty is now stocked with small ferns. Bergmann chrysanthemum is just in and is good but Yellow Queen is a failure, the buds having been stung and ruined by insects. Lager looks well; also Reiman, Maud Dean, Ivory and Bonnaffon. Mr. Edgar has erected large storage buildings for azaleas this season and this is undoubtedly the best equipped Easter plant establishment in this neighborhood now.

The Cut Flower Growers' Association held its annual dinner, election, etc., on Saturday evening, October 2, at Young's Hotel. There were about forty gentlemen present including the representatives of the three trade papers who were the invited guests. The occasion was a very happy one, the agreeable information in the treasurer's annual report of a dividend of ten dollars per share adding to the pleasant good nature which prevailed. A dinner without speeches would be only half a dinner and so a number of brief speeches were made. W. J. Stewart for the AMERICAN FLORIST and F. W. Fletcher for the *New England Florist* were first called upon and each congratulated the Association on its evident prosperity. Mr. Stewart spoke of the good results obtained from organization and instanced the present enjoyable occasion as an example of the benefits of organization supplemented by friendly personal intercourse. Mr. Fletcher alluded to the Association as a triumph of co-operation and questioned whether the idea might not be carried still farther in the purchase of supplies and mutual self-protection. His suggestion was the theme upon which most of the other speakers dwelt, the matter of mutual fire insurance taking especial prominence. W. H. Knapp, W. H. Elliott and others told of the difficulties met with in effecting insurance with regular companies, and with the exception of E. M. Pierce, who said he didn't believe in insurance, all seemed to favor the idea of a mutual organization. F. R. Mathieson spoke in approval of the scheme proposed by the S. A. F. committee. The annual election resulted as follows: President, W. C. Stickel; vice-president, E. N. Pierce; secretary and treasurer, Geo. Cartwright; directors, L. W. Mann, W. W. Edgar, John Walsh, Peter Fisher, E. Sutermeister and Wm. Nicholson.

James Galvin, who has been in the employ of N. F. McCarthy & Co. for a long time is about to start in business in the same line for his own account. Location not yet decided on.

Louis Stearns, assistant gardener at the Bussey Institution, has been promoted to be head gardener.

Col. T. L. Livermore has been appointed on the Metropolitan Park Commission by Governor Wolcott.

Philadelphia.

CLUB MEETING —LARGE ATTENDANCE — DOLLAR WHEAT AND FLOWERS —ELECTION OF OFFICERS —BUSINESS NOT SO BRISK.—STOCK IMPROVING.—MORE ROOM FOR MR. PENNOCK.—ANOTHER NEW STORE.—BUSINESS CHANGE.

The October meeting of the Florists' Club held last Tuesday evening was almost if not quite a record breaker in point of attendance, at least for an occasion when there was no out-of-town talent on the boards. There were over seventy members present and great interest was taken in the proceedings. Mr. Harris's paper was a brilliant and thoughtful document and was well read by Robert Craig. "Will dollar wheat help the florists the coming season?" was the title of the paper and Mr. Harris said that as far as dollar wheat made dollars more plentiful, so far would it benefit not only the florists but everybody, his theory being that an increase in the volume makes money cheaper, and thereby quickens its pace, as when money is scarce it is hoarded away but freely spent when plentiful. There was not much discussion as President Burton said the paper is now open for discussion, but no politics allowed. Mr. Burton's term of office expired with this meeting but he was parliamentary to the last and no one seemed to be skillful enough to handle the question without getting a silver tinge to their oratory that would have been immediately called down, so a resolution of thanks to Mr. Harris was soon passed and the paper given to the publication committee.

The election of officers for the ensuing year had considerable to do with the large attendance. There were a number of gentlemen nominated at the last meeting and nearly all took occasion before the voting commenced to decline, but few seeming to desire the honor and at the same time cares of the office. Wm. K. Harris received the majority of the votes cast and arrived at the club room from New York just in time to hear the announcement of the vote. The result was received with much enthusiasm and against the protest of the gentleman himself, who protested and finally accepted.

John Westcott was elected vice president, Thomas Cartledge, treasurer by ballot of the secretary, and Edwin Lonsdale, secretary. Speeches were made by the newly elected officers who all promised to perform their duties to the best of their ability, just like real politicians. The question for discussion next month is a timely topic, Mr. Carey being asked to write a paper on the best twelve varieties of chrysanthemums and state why he thinks so.

Business is a little quiet, the advance of the last week or two seeming to have spent itself for the time. Stock is plentiful although there is no piling up as yet. Stock of all kinds is improving; every few days there seems to be a change for the better. Some quite good Brides, Maids, and Meteors are now coming in while Beauties of all grades are better than a week ago.

Carnations are much improved and the now ready varieties are increasing, in fact they have been thought good enough to bring $1.25 per hundred, this price being asked for a few of the best. The early 'mums have arrived. Jacob Becker sent in a few Montmort and J. Heacock cut a few Bergmann, very fine of this kind. Next week will no doubt bring in quite a lot of the standard early kinds.

S. S. Pennock has been in his new building hardly long enough to know all the nooks and corners when he finds out that what he thought was a barn, is already too small for his increasing business. He has purchased the adjoining property and will soon tear it down and erect a building on lines similar to his present structure which when completed will increase his space about fifty per cent.

There is another cut flower establishment in town. Wm. Thompson, who has been for the last sixteen years with Robt. Crawford, has opened a store on Thirteenth street below Walnut. William is a hustler and we wish him success.

The retail business of the LaRoche & Stahl flower Co. limited, is to be conducted in the future by Mr. B. Stahl for his own account. Mr. Stahl has had charge of the retail department from the first and now that he has entered possession will no doubt meet with the success that his efforts deserve. The greenhouse department at Collingdale is to be run under the name of A. J. LaRoche. K.

Washington, D C.

TO JUDGE AT NASHVILLE.—VISITOR.—A NEW FLORISTS' CLUB LIKELY — BUSINESS CHANGES.—BUILDING —NEW ROSES —MR. SMITH TO JUDGE AT HAGERSTOWN.—GOVERNMENT COMPETITION.

Mr. J. H. Small, Jr., left the city recently night for Nashville, having been appointed one of the judges of the horticultural department at the Tennessee Exposition. The other judges are P. J. Berckmans, of Augusta, Ga., and Wm. Falconer, superintendent Schenley park, Pittsburg. Mr. Gardiner G. Hubbard of this city, is chairman of the jury of awards.

Mr. Robert Cameron of the Cambridge Botanic Garden spent several days recently in looking through the horticultural establishments of this city. It being his first visit to the Nation's Capital, he did not have time to take in all the sights, but spent all his time among the gardens. He promises us another visit in the near future.

The question of organizing a florists' club in the city is being talked of. The old organizations, known as the "National Gardeners' Club" and the "Florists' Club of Washington," have both gone the way of all the earth years ago. The former was organized during the year of the visit to this city of the Society of American Florists. The Washington Florists' Club was organized several years prior to that date.

John D. Davidson has removed from 1032 to 1002 Connecticut avenue, N. W. Smith & Putnum of 1710 Penn avenue, N. W., have retired from business. Their store has been leased by Davidson & Walker for a term of years.

Mr. J. L. Loose has opened a branch store at 1032 Connecticut avenue N. W., formerly occupied by John D. Davidson.

C. Strauss & Co. have added a palm house to their already extensive range of houses. The house is mainly for cool palms; it is filled at present with kentias in 6 and 8-inch pots. Pink and white chrysanthemums have been in flower with them for more than a week. The new rose Mrs. Garrett is looking very promising. The wood is quite spiny, this being the only objection the critics have to it thus far. Mme. Abel Chatenay, of which they have many thousands benched this season, is looking unusually fine. It promises to be an abundant cropper. The buds are small as yet, and no one can judge its future. Some think it will take the place of La France, which, by the way, is always in great demand here. I have seen no buds of the Chatenay which in my opinion equal the La France. We will have more to say about this rose when it is at its best, which will undoubtedly be before the season is over.

Violets made their appearance more than a week ago, but one would scarcely recognize them as the popular flower, they were so very small and almost without odor.

Mr. William R. Smith will go to Hagerstown, Md., to act as expert judge for the department of floriculture at the state fair, to be held October 12, 13, 14 and 15.

Colonel Bingham, who is in charge of the public buildings and grounds, was lately interviewed on the subject of free distribution of the surplus flowers grown for the "White House" decorations. He claims that the matter has been greatly exaggerated, and that they give more flowers to the hospitals and to the societies who collect flowers for the sick guilds than to private parties. Col. Bingham expressed to the reporter a wish to see some of the florists who object to his methods, claiming that he could soon convince them he was not a competitor in their business. He says he is willing to discontinue the custom of sending out flowers whenever he is ordered to do so by a superior officer. He claims he is not violating the law quoted by the florists. He said: "When cut flowers are sent out to senators and representatives in congress, they only send them in small quantities, not sufficient to decorate their residences. In fact we do not raise the kind of flowers that are most in demand for table or decorative purposes. We do not grow roses to any great extent, nor are our roses of such unusual beauty as to be in great demand. The members of congress do not get these cut flowers more than once a month and it appears to me that distributing them in this manner is much better than throwing them away where they will do nobody good."

REYNOLDS.

Pittsburg.

BUSINESS OUTLOOK. — CLUB MEETING.— MR. BADER TELLS OF HIS EUROPEAN TRIP.—SMALL FIRE.—FINE FLOWERS.—VISITORS.

The trade situation remains practically the same as last week with a very encouraging outlook for the month of October. Several of the florists have orders for fine decorations, etc., already booked and as this month will see "society" resume the social entertainments, with general business conditions improved, the florists anticipate a much better and larger business than last winter.

The Florists' Club held its regular meeting on the evening of September 23, giving their president, Mr. John Bader, a very hearty greeting, he having just returned from a trip to Europe. Mr. Bader gave a very interesting though short account of where he went and what he saw. He went directly to Ghent, Belgium, after arriving in England, visiting more particularly the establishments of the large growers of azaleas, palms, dracænas, araucarias, tuberous begonias and half hardy stuff. He spoke very highly of their methods of cultivation and the excellent quality of the plants. Then he went to Holland to the bulb growers and is of the opinion that the excellence

of bulbs there outside of climate and soil is owing principally to the thoroughness of the care and attention given them, especially as regards watering; that with the same mode of treatment in this country we would be much more successful in that line of floriculture.

At Bruges, Belgium, he visited several establishments, including one consisting of about 70 houses covering a space of 10 acres; these are devoted to the growing of palms in large quantities. At this place is also located the largest grower of bay trees in the world; there are five avenues each 4,000 feet long, planted on both sides with bay trees, some of them 150 years old. Sander, of St. Albans, has a very large place here devoted mainly to palms. At Stuttgart Mr. Bader greatly enjoyed his visit to Wm. Pfitzer, who is acknowledged to be one of the best, and many think the best hybridizer and grower in Germany or Europe of cannas, gladioli and dahlias. In France he went to Nancy, visiting M. Lemoine, another great hybridizer. His begonias and gladioli were very fine. At M. Crozy's place he saw larger and finer flowered tuberous begonias than ever before and many good new varieties of Rex begonias, also geraniums, in set of eight different colors same style as the "New Life" geranium; these are all new ones. At Versailles he saw azaleas, billberglas, and some remarkable hydrangeas of the Otaksa monstrosa variety, over 6,000 of them, and will be in bloom from November to Christmas. The blooms are extra large. These plants are not rested but have been outside in pots all the time possible.

In the London district Mr. Bader visited Messrs. Ware's place, Kew Gardens and Covent Garden Market, where he was particularly well pleased with the great display of flowers and vegetables. He spoke in great praise of the establishment of Mr. Rochfort, who has 30 acres of glass in which he cultivates grapes, tomatoes, palms and ferns in quantities; regarding the grapes Mr. Bader was very enthusiastic. The talk was received with thanks and after it the club partook of a light lunch provided by the entertainment committee. Mr. Bader purchased many new plants while abroad and thinks some of them at least will suit the fancy of many growers and consumers.

About half past eleven that same night a fire broke out in the room where Messrs. Langhans & Co. store their extra materials, resulting in a loss of over $100. The firemen soon got it under control, or else Gustave and E. C. Ludwig would also have suffered as their storage rooms adjoin on both sides. No cause for the fire can be found, but that of spontaneous combustion.

Mr. Gus. Ludwig displayed some very good stock last week, consisting of American Beauty, La France, Bride, Bridesmaid roses and some extra fine tuberoses; they were grown at Oakwood Rose Gardens, Oil City, Pa., of which Mr. H. B. Beatty is secretary.

Mr. Martin Reukauf, representing Messrs. H. Bayersdorfer & Co., Philadelphia, and Mr. Evans, of Richmond, Ind., were visitors. Both report trade looking up.

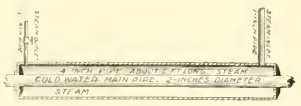
Mr. F. Burki, Bellevue, is cutting 'mums quite heavily now. The very early white Mrs. Fitzwigram took the lead with Bergmann a good second in point of time. Glory of Pacific, pink and Merry Monarch, white, have proved very good varieties with him and sell very readily.

Mr. Robert Faulk, sales agent for Messrs. Hartman Bros., of Allegheny, reports business very fair. They have large quantities of fine chrysanthemums and are developing a large wholesale trade as well as keeping up the retail branch.

Mr. Nelson, representing F. R. Pierson Co., of Tarrytown, N. Y., was a visitor this week. REGIA.

Tempering Water.

Noticing several inquiries in the FLORIST about methods of tempering water, I send a sketch of my plan, which is simple, inexpensive and efficient.



A piece of ordinary 4-inch pipe about 6 feet long is put on the water main and both ends plugged up to form a steam jacket. Steam is admitted to one end through a 1-inch pipe and escapes at the other end through a ½-inch pipe. With two using water from this main the temperature runs 65° to 70°.

Montreal. JOS. BENNETT.

St. Louis.

IMPROVEMENT IN TRADE.—ROSES IN DEMAND.—OTHER FLOWERS.—DECORATION FOR VEILED PROPHETS' BALL.—THE CHRYSANTHEMUM SHOW.—TOTAL PRIZES OF $2,000.—SKETCH FOR NEW PARK.—BOWLING.

Trade this week has been fair and continually shows signs of improvement, but the weather is very warm and dry. Rain is needed very badly.

There is a good demand for all kinds of roses and especially long Beauties and Meteors. Kaiserin, Brides and Bridesmaid are among the good sellers. The "Veiled Prophets' Ball" sent the price up on all good stock. Beauties were first in demand, but there were not enough on hand to go around. Prices for firsts were $15 to $25, seconds $10 and $12. Meteors $3 to $5, Kaiserins $2 to $5, Brides and Maids $3 to $5 and Perles and Woottons $2 to $4.

Carnations from now on will be fine. Many growers are now sending in first-class flowers. Daybreaks, Scott and Flora Hill are good; prices from $1.50 to $2. Cosmos is now coming in better and sells for 50 and 75 cents per hundred. Some violets are being received but they are still small and pale, the weather being too dry for them, but they seem to sell any way. Some good valley came in this week and brought $4. Double and single tuberose stalks are selling well; double bring $6 and single $5 per 100 stalks. Smilax is selling well; good long strings brought last week $18, smaller ones $12.50 and $15. Maidenhair and asparagus also sold well.

The decorations at the Veiled Prophets' Ball were elaborate. The large fountain in the center of the hall was banked up with palms and foliage plants, the base of the fountain being banked up with flat layers made up of roses and carnations. Taken as a whole the effect was fine and it was much admired by all. This was the work of the Jordan Floral Co. The flowers used by the majority attending were Beauties and Meteors, mostly carried, although many were worn.

Walter Mott, representing H. A. Dreer, Philadelphia, spent a few days among the trade last week.

The thirty-seventh annual fair of the St. Louis Agricultural and Mechanical Association opened Monday, October 4. They are offering about $500 in premiums for plants and flowers; a great many of our florists have entered for the prizes.

"And still they come." The special prizes for the chrysanthemum show now amount to $1,500 including the Shaw prizes, the club offering all seconds and thirds, which will make the total prizes amount to over $2,000.

The committee reports that everything is running smoothly now since the question has been settled "Where are you going to give the show." The program will be in the hands of the printer on October 14, and all florists who are on the list for special prizes are requested to send in their list not later than October 12. The committee meets every Friday night at Beneke's store, 1220 Olive street. All correspondence should be sent to Emil Schray, secretary, 4101 Pennsylvania avenue.

Park Commissioner Ridgely submitted to the city hall commission several sketches for the new City Hall Park. The sketches submitted were much admired. In them he had mapped out the grass plats and flower beds placed and the shrubbery growing along the line of walks. The commission examined the sketches with admiration but did nothing outside of requesting the park commissioner to furnish estimates on the cost of construction.

The Bowling Club rolled on the new regulation alleys again Monday night but the scores were not so good as last Monday. E. Schray rolled high in three games, 491; Kuehn second, 469; and C. Beyer third, 459. The highest single game was rolled by Al. Bauer, 193; but this is very good rolling I think on regulation alleys. We will be found rolling at the same place next Monday at 8 p. m. All are invited to take a hand. J. J. B.

Cleveland.

BOWLING CLUB ORGANIZED.—ARRANGEMENT OF MEETING NIGHTS.—BUSINESS ABOUT AS USUAL.—NEW STORE.

The first meeting of the Bowling Club adjunct to the Florists' Club was held at Progress Hall on Detroit street, Monday evening, October 4. The club was organized and officered, S. N. Pentecost being elected president, A. H. Graham secretary, and H. A. Hart treasurer. William Stadie will officiate as captain of our team. Another will be appointed later. There was plenty of enthusiasm, an excellent list of members showing up for the first meeting, with a goodly number still coming. The quarters are excellent, comfortable and convenient in every way, and the alleys unsurpassed, so the bowling sharps say. It should be understood that the florists have possession every Monday night, that the bowlers will meet for their specialty on alternate Monday evenings, the florists using the rooms in connection for the transaction of business on the other Mondays and adjourning afterward if so disposed and members of the bowling club for a turn at bowling. This arrangement brings a florist's meeting on Monday evening, October 11. The following Monday goes to the bowlers and so on.

After the organization was effected everybody adjourned to the alleys where the balance of the evening was spent. H. Kunze and William Stadie speedily demonstrated that they were 'way up in the

game. A. H. Graham also showed that he was a reliable man who could be depended upon to make a poodle every time he came to bat. (That doesn't sound right but we can't be bothered by technicalities just now).

Business jogs along in the usual way, no great amount developing, but no flowers wasting. Chrysanthemums are appearing in small quantities with nearly everybody, mostly Bergmann, Marquis de Montmort and a few Glory of the Pacific.

Messrs. Smith & Fetters, both formerly with Gasser, at this writing are to open in a day or two. It is expected that their store on Euclid avenue will show up in great style.

C. Erhardt expects to move down on to Euclid avenue shortly.

The weather continues exceedingly dry and some of the florists who do not have city water facilities are having a hard time of it. A.

Chicago.

DECIDED IMPROVEMENT IN BUSINESS.—LARGE INCREASE OVER LAST YEAR—PRICES BETTER.—QUALITY IMPROVING—CHRYSANTHEMUMS.—VARIOUS ITEMS.

All the wholesalers report a decided improvement in business and talk very cheerfully. Some had a comfortable increase in their trade of last month over September a year ago. Kennicott Bros. Co. found on comparing the figures that their business for September this year was fully 25%, larger than in September, '96, and October has started in equally well. Others did not give figures, but all had noticed a marked improvement. The outlook seems very cheering, and indications are that the long promised and long deferred good times have at last arrived.

Prices of roses and carnations average much better for the same grade of stock, which is partly owing to better demand, but doubtless also somewhat due to a shorter supply. In spite of the most favorable weather the cut still remains rather light, more particularly in the rose line. Carnations were somewhat easier the latter part of the week, the cut increasing considerably and the quality improving. In fancies, in addition to those mentioned last week, we note a few very fine Mayor Pingree, also very fair Helen Keller and Flora Hill.

Chrysanthemums are coming in more freely. Mme. Bergmann appears in good shape, but some are rather short-stemmed. Next week we may expect some really good stock. Mrs. Robinson will be in among others, also Yellow Queen, Merry Monarch, etc.

Some extra fine Carnot roses with stiff stems nearly two feet long were seen at Bassett & Washburn's. The supply is not nearly adequate to fill the demand.

F. A. Chapman, formerly foreman for Poehlmann Bros., has taken a similar position with L. A. Noe, Madison, N. J.

As the result of the long drought there have been numerous prairie fires around the city. One of these fires threatened Vaughan's greenhouses at Western Spring last Wednesday, but no serious damage was done.

Visitors in town: Jos. Bock and son, of Burlington, Ia.

Indianapolis.

CLUB MEETING—STATE FAIR EXHIBITION.—BUSINESS CHANGES—THE PARKS—CHRYSANTHEMUM SHOW.

At the September meeting of the Indianapolis Florists' Club the executive committee of the State Society reported very discourteous treatment at the hands o state agricultural society regarding the premium list for the state fair. The state fair people after having apparently accepted the revised premium list suggested by the florists made radical changes, and still printed at the head of the list a line reading "This list is indorsed by the Society of Indiana Florists" when it was radically different from what they had indorsed. As a result the members decided not to exhibit and requested all florists to refrain from exhibiting. Two were found though that could not resist the temptation to step in and avail themselves of the opportunity to get easy premiums even though small.

Cornelli & Kelley have formed a partnership and have opened a store and conservatory in the north part of the city. The store is at 230 16th street and the greenhouses on N. Alabama street. All mail intended for Ed. Cornelli and Cornelli & Kelley should be addressed to 230 E. 16th street.

Garfield Park greenhouses are putting in two 80-horse power boilers. In the spring it is contemplated to add an electric plant and probably two more plant houses. About 50,000 bulbs are being planted this fall. The Main Park question is still before the supreme court awaiting settlement.

Insane Hospital authorities are putting up their substantial new conservatory, a very much needed improvement. The Deaf and Dumb Institution Improvement has simmered down to simple repairs of the old houses.

Silas Rothermel, Brightwood, sold out to Weishaar Bros. They will continue business there and give up their place south of the city.

Chrysanthemums are looking well in this neighborhood in spite of the extremely dry weather with no sign of rain in sight.

Chrysanthemum show committees are hard at work, and this year's show will be changed in many ways. The resources are much larger and the premium list much more varied. W. B.

Toronto.

DRY WEATHER CONTINUES.—TRADE SHOWS SOME IMPROVEMENT.—AMATEUR HORTICULTURIST DEFINED—MR HOUSTON LOSES VALUABLE PLANTS BY FIRE.

The fine dry weather still continues and with the exception of geraniums and a few other bedding plants outdoor flowers are about over. The geranium beds in the parks are flowering very profusely. Leaves are falling off the trees more from drought than from what little frost there has been. The cut flower trade shows some slight improvement generally and the season may be said to have fairly begun. Chrysanthemums will probably be in this week.

An amateur horticulturist as defined by the directors of the Horticultural Society is "one who does not depend or has not depended in any way for his living on any occupation connected with horticulture, and any person residing with or on the premises of one who so depends or has depended for his living on any occupation connected with horticulture is debarred from exhibiting." And there is a regulation in the society's prize list that "all exhibits must have been in the possession of the exhibitor at least two months."

Mr. Wm. Houston, of the Central Prison, is mourning for the loss of all his best palms and orchids and many other plants. A fire occurred there last Monday in one of the workshops close to the greenhouses, and the supply of water being short it quickly communicated to the potting shed and thence to the palm house, which contained some very fine specimens and which would shortly have been removed to the new conservatory at Parliament buildings. It will grieve everyone who knew this collection of plants to hear of its loss, and Mr. Houston will have the sincere sympathy of the whole trade around here. It is very hard to see the fruits of all one's care and attention for years go up in smoke in less time than it takes to write this paragraph. It is next thing to losing one's children. E.

Buffalo.

PROLONGED DROUGHT.—CHRYSANTHEMUMS ARE HERE.—NO APPLES TO BARREL.—VISIT TO DARIEN.—CARNATIONS AT CORFU.—FINE EARLY 'MUMS.

A dry wind is blowing and the leaves are falling and the grass is browning; very much so. This prolonged drought may not affect the florist much, but with the farmer and market gardener and "ornamental horticulturist" it is getting serious. Our parks and cemeteries and resident streets have a seedy look which is not very usual with us.

Chrysanthemums are here and are exceedingly welcome. We can't help how much the poor rose grower may lament the advent of the 'mum, they are just what we want now, for excepting roses other flowers are decidedly scarce. Mrs. Bergmann and Yellow Monarch are the two earliest locally grown. It is too early to say how they will sell, but the start in looks good. There are few if any $9 per dozen 'mums sold in Buffalo, but at $2 and $3 a dozen they will I believe go as well as ever and perhaps better than last year for there is a better feeling all round.

We have no apples to barrel this year and consequently have no $30 to pay for barrels, and won't have the pleasant sight of seeing 60 barrels of rotten apples carted out of the cellar next spring. We shall also miss the hard cider, but there are substitutes for that.

While among the orchards I found time to visit Messrs. Harman & Burr of Darien. They have two houses filled entirely with their very promising white seedling carnation "Genesee." There is certainly some excellent points about this variety; it is pure white, a fine grower and the best lifter of any variety I have yet seen handled; that can be accounted for by its abundance of long fine white roots. Harmon & Burr have found that sticking to a specialty pays best, so now their entire attention is devoted to violets and carnations.

Of the Corfu men T. A. Webb is the earliest with his carnations and is now picking a fine lot—Daybreak, Portia, Alaska, Scott and his own seedling scarlet. Mrs. Giddings has her five houses well filled with excellent clean stock, all carnations of the standard variety.

Mr. David Scott, of Fredonia, was in town this week with some grand samples of early chrysanthemums, Mrs. Bergmann being unusually fine. W. S.

Cincinnati.

COOLER WEATHER BRINGS IMPROVEMENT IN BUSINESS—PRICES ADVANCING—VIOLETS.—CHRYSANTHEMUMS—VISITOR.

We have been favored with cooler weather the past week, and a decided improvement could be noticed in business. Cut flowers have been more in demand, but plant trade has not shown any increase as yet. Funeral work is quite

FRIDAY, OCT. 15th. **FRIDAY, OCT. 15th.**

SANDER'S GREAT FALL SALE

OF

FLORISTS' ORCHIDS,

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SEND FOR ILLUSTRATED CATALOGUE, NOW READY.

The plants are in grand condition, and are from the well known Importers and Growers

F. SANDER & CO., St. Albans, England and Bruges, Belgium.

The above will be sold at AUCTION by **CLEARY & CO., 60 Vesey Street, NEW YORK CITY,**

ON FRIDAY NEXT, OCTOBER 15th.

brisk and an occasional opening of some large business house is helping to accelerate trade. Critchell's Sons and Sunderbruch's Sons each have a contract for supplying flowers this week for the opening of Browning, King & Co. and The Fair. Julius Peterson has booked a swell wedding which calls for 800 long-stemmed American Beauties for the latter part of this week. In his show windows a plentiful supply of Princess of Wales violets can be seen. They are certainly the best in town.

Carnations have advanced from 75 cents to $1 per 100 this week. Violets are being asked for by the trade since Peterson has had a sign in his window "Fresh violets," but they are yet very irregular in supply. Chrysanthemums Marquis de Montmort, Bergmann and Lady Fitzwigram are with us and wholesale at from 10 to 15.

Mr. John Evans, of Richmond, Ind., was a caller this week. H. SCHWARZ.

PORT CHESTER, N. Y.—The Westchester County Gardeners' Association will hold a chrysanthemum show at the opera house on November 12 and 13.

STEVENS POINT, WIS.—The greenhouses and dwelling of Charles Helm were badly damaged by fire October 4. The houses will be rebuilt.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—As fern grower or propagator. Address FARLEYENSE, care Am. Florist.

SITUATION WANTED—By a Swede, age 20, one year in the florist trade; good references O E, care American Florist.

SITUATION WANTED—By young florist. Good references. LOUIS FLINDT, Columbus and Monroe Sts., Sandusky, O.

SITUATION WANTED—As fireman or assistant; 9 years experience. Single. References given. Address FLORIST, 67 Bromfield St., Boston.

SITUATION WANTED—By practical young grower; 10 years' experience. Also knowledge of design work. Address F E, care American Florist.

SITUATION WANTED—By young lady in retail store; 7 years' experience in Chicago. Al references. Address K M, care American Florist.

SITUATION WANTED—By a young man 28 years of age; sober and industrious. An all round man; 10 years experience. Good references. Address PEAT, care American Florist.

SITUATION WANTED—By first-class grower and worker in cut flowers, in extreme south; plenty of references as to character; state wages. PROGRESSIVE, Portsmouth, Ohio.

SITUATION WANTED—By first-class all-round Scotch florist; has had long experience in commercial places; good references. Address GEO. MILTON, 15 S. Rond St., Newburyport, Mass.

SITUATION WANTED—By single young man as assistant in commercial place; several years' experience, honest, sober and industrious. Address W B, care Bridgeman's, 37 E. 19th St., New York.

SITUATION WANTED—By young man in large place; 4 years experience; would like chance of advancement. Best references. Rose growing preferred. Address E B, care American Florist.

SITUATION WANTED—By an all round florist and gardener, in a private or commercial place. A good filler of designs and decorator. American; middle aged. Can furnish first-class references. Address P. O. Box 62, Union City, Pa.

SITUATION WANTED—By a practical florist and gardener; 14 years' experience in growing cut flowers and tropical plants. Also a first-class designer and decorator. Age 29; single. Address B C, care American Florist, Chicago.

SITUATION WANTED—By an experienced single florist, as working foreman; is at present managing a business of over 6000 feet of glass (over 4 years in present place). Best of references. Address F L, care American Florist, Chicago.

SITUATION WANTED—By a thorough, competent and experienced young florist, with 15 years' experience. Positions will be exchanged if suitable, and the best possible references can be furnished. P O. Box 76, Shousetown, Allegheny Co., Pa.

SITUATION WANTED—By young man, age 21, where wholesale cut flowers are made a specialty. Is capable of taking charge of section of rose or carnation houses. References the very best. Address H. NEUNER, 65 South 21st St., Richmond, Ind.

SITUATION WANTED—As foreman by able florist, 20 years' experience in this country and Europe; will give satisfaction in every branch of the florist business. Can give the best of recommendations. Address S C, American Florist, Chicago.

SITUATION WANTED—Private or commercial, by single German, age 28; 14 years' experience, 7 years in U. S. Has experience in growing cut flowers and plants; 3 years in present place. Good references. Address GEORGE SCHUBERT, 2449 Harrison Ave., Westwood, Cincinnati, O.

SITUATION WANTED—By young, bustling florist, to take charge or work under foreman in commercial place. Single; 14 years' experience in plants and cut flowers. Massachusetts or Maine preferred. Address with particulars. B, care Eastern office, American Florist, 67 Bromfield st., Boston.

SITUATION WANTED—In commercial or private place by married man; 20 years experience in all branches, palms, ferns and stove plants especially. Best references from present employers, Pitcher & Manda, with whom I have been 5½ years, 2 years in charge of the propagating department. Address A. MIETZ, Short Hills, N. J.

WANTED—At once, a good all around grower of general stock—no expert. Single man. Address REINBERG BROS., 51 Wabash Ave., Chicago.

WANTED—Man capable of taking full charge of branch store, accustomed to first-class trade. J. LOUIS LOOSE, 12th & F Sts., Washington, D. C.

WANTED—First-class grower of plants, cut flowers; retail establishment. Single German preferred. State wages expected and references. F. W. HECKENKAMP, JR., Quincy, Ill.

WANTED—Reliable working foreman, for greenhouses north of Chicago, representing 7000 ft. of glass, with one acre in nursery. Wages $30 with opportunity for advancement. Address, with full particulars and copies of references, RELIABLE, care Vaughan's Seed Store, Chicago.

FOR SALE—Fruit and vegetable farm, 20 acres good land, 10-room dwelling house, barn, greenhouse 16x50, water heating, 3 good wells, windmill, tank, hotbed sashes, large poultry house, about four acres in apples, peaches raspberries, asparagus, pie plant, etc., all in bearing, located near thriving town of 5000 in central Illinois. C W, care American Florist.

FOR SALE—In Warren, R. I., 5 greenhouses, nice 6-room cottage, barn, sheds, shops, etc.; about 10 acres of good land; young orchard, shade trees and grapevines. Greenhouses and cottage heated with hot water. Windmill supplies water over the premises. Can be bought on easy terms. Apply to O. H. NYE, Warren, R. I.

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We are pleased to inform the trade that we have completed arrangements to handle the *ENTIRE CUT* of the *BEST* and *LARGEST* growers supplying the *CHICAGO MARKET* with *CHRYSANTHEMUMS*, and shall be able to furnish any grade of any variety

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For particulars write **ELLIS & POLLWORTH, Milwaukee, Wis.**

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Address: **BOX 441, MORRIS, ILL.**

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" " medium	8.00@12.00
" " short	6.00@ 8.00
" Brides, Bridesmaid	2.00@ 4.00
" Meteors, La France	2.00@ 4.00
" Kaiserin	2.00@ 4.00
" Carnot	5.00
" Niphetos, Perle, Gontier	1.00@ 2.00
Carnations	.75@ 1.25
Valley	4.00
Cosmos	25c per bunch
Tuberose spikes	6.00
Chrysanthemums per doz	1.00@3.00
Adiantum	.50@ .75
Smilax	10.00@12.00
Asparagus	50.00
	ST. LOUIS Oct. 7.
Roses, Beauties	15.00@25.00
" " short	6.00@12.00
" Meteors, Kaiserin	3.00@ 5.00
" Brides, Maids	3.00@ 5.00
" Mermets La France	3.00@ 5.00
" Perles, Wootton	2.00@ 4.00
Carnations	1.00@ 1.50
" fancy	2.00
Cosmos	.50@ .75
Valley	4.00
Violets	.40
Tuberose stalks	5.00@ 8.00
Chrysanthemums fancy	12.50@25.00
" common	12.50@18.00
Smilax	10.00@12.50
Adiantum	1.00
Asparagus	25.00@50.00
	CINCINNATI, Oct. 7.
Roses, Beauty select	15.00
" " medium	8.00@12.50
" " short	3.00@ 8.00
" Brides, Bridesmaids, Perles	2.00@ 3.00
" Meteors, Morgans	3.00@ 4.00
Carnations	.75@ 1.00
" fancy	1.00@ 1.50
Valley	3.00@ 4.00
Smilax	12.50@15.00
Adiantum	1.00
Asparagus	50.00

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Long Distance Phone. PHILADELPHIA, PA.
Mention American Florist when writing.

CONSIGN TO BUY FROM
M. A. HART,
Commission DEALER IN Cut Flowers,
113 WEST 30TH STREET,
NEW YORK CITY.
THE BEST MARKET IN NEW YORK.
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Cut Flowers

NEW YORK, Oct. 6.

Roses, Beauty, extra	10.00@25.00
" " medium	5.00@ 8.00
" " culls	.50@ 1.00
" Bride, Bridesmaid, Meteor	2.00@ 4.00
Carnations	.50@ 1.50
Valley	1.00@ 2.00
Violets	.50@ 1.00
Chrysanthemums	25.00
Adiantum	.50@ .75
Smilax	6.00@10.00
Asparagus	40.00@50.00

BOSTON, Oct. 6.

Roses, Beauties	6.00@25.00
" Gontier, Perle	1.00@ 2.00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
Carnations	1.00@ 2.00
Valley	3.00@ 4.00
Tuberoses	.50
White Japan lilies	1.00@ 2.00
Adiantum	1.00
Smilax	10.00@12.00
Asparagus	50.00

PHILADELPHIA, Oct. 6.

Roses, Beauties select	20.00
" " medium	12.00@16.00
" " short	6.00@ 8.00
" Brides, Maids	2.00@ 4.00
" Meteors, La France	3.00@ 4.00
Carnations	.75@ 1.25
Valley	3.00@ 4.00
Single violets, per 100 bunches	2.00@2.50
Gladiolus	2.00
Tuberoses per 100 stalks	2.00@2.50
Smilax	10.00@20.00
Adiantum	.50@ .75
Asparagus	35.00@50.00

John I. Raynor,
49 WEST 28th STREET,
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SPECIAL EXTRA STOCK OF
AM. BEAUTY, METEOR,
BRIDESMAID, BRIDE.

Record Breaking Carnations
ALL THE YEAR ROUND.

American Beauty
and all other choice Roses in unexcelled quality.
Carnations, Mignonette, Orchids and Valley.
THOS. YOUNG, Jr.,
43 W. 28TH ST., NEW YORK.

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WHOLESALE
FLORIST,
39 West 28th Street, NEW YORK.
Roses shipped to all points. Price list on application.

Edward C. Horan,
34 W. 29th Street, NEW YORK,
WHOLESALE • FLORIST.
Careful Shipping to all parts of the country. Price list on application.

CITY HALL CUT FLOWER MARKET,
9 Chapman Place, 15 Province Street, BOSTON, MASS.
WELCH BROS., PROPRIETORS.
Consignments from regular growers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.
THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

TRAENDLY & SCHENCK,
Wholesale Florists,
Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.
38 West 28th St., and Cut Flower Exchange,
Tel. 961 18th Street. NEW YORK CITY.

MISPLACED CONFIDENCE
is something the florist never suffers from, who places his **FLOWER ORDERS** with the old and reliable
J. K. ALLEN,
57 West 28th St., NEW YORK CITY.
Telephone 382 38th St.

JAMES M. KING,
(For ten years with E. C. Horan)
Wholesale Cut Flower COMMISSION OFFICE
at 49 West 29th St., NEW YORK.
TELEPHONE 1675 38th St.
GOOD INDUCEMENTS TO GROWERS OF FIRST-CLASS STOCK.

HEADQUARTERS in Western New York. Try us.
ROSES, CARNATIONS, and ALL KINDS OF SEASONABLE FLOWERS IN STOCK.
WM. F. KASTING, Wholesale Commission Florist,
495 Washington Street, BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire Designs.

GEORGE A. SUTHERLAND,
Cut Flowers AND Florists' Supplies
WHOLESALE.
67 Bromfield St., BOSTON, MASS.

Wholesale Florists
ALWAYS ON HAND: CARNATIONS, BRIDESMAIDS, BRIDES.
JOBBERS IN FLORIST'S SUPPLIES.
N. F. McCarthy & Co.
FLORISTS' VASES.
Horticultural Auctioneers.
84 HAWLEY STREET, • BOSTON.

Asparagus Plumosus Nanus.
Strings 10 to 12 feet long,
50 CENTS.
W. H. ELLIOTT, Brighton, Mass.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
Price list on application.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.

JULIUS LANG,
Cut Flowers on Commission.
53 WEST 30TH STREET,
.... NEW YORK.
When writing mention the AMERICAN FLORIST.

MacDONALD & McMANUS,
WHOLESALE FLORISTS AND DEALERS IN CUT FLOWERS.
50 W. 30th Street, NEW YORK.
Solicit shipments of Cut Flowers on Commission. Best market prices guaranteed.
TELEPHONE, 2778-38TH STREET.
Mention American Florist.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Rochester, N. Y.

ASSIGNMENT OF BRIGGS BROS. & CO.

On October 1 Briggs Bros. & Co., seedsmen and florists, assigned all their property over to Henry B. Hathaway and to Flour City National Bank. A chattel mortgage for $30,000 was filed in the county clerk's office on that day to secure the payment of promissory notes given by the firm to said bank and H. B. Hathaway. The liabilities are variously estimated at from $40,000 to $60,000; assets are uncertain. There is no real estate owned by the company and the property covered by the mortgage is specified as follows: All of the seeds, bulbs and plants in the east Main street store; all the seed cases and contents now in the warehouse of the firm on Church street or in storage at the various freight houses in the city; all machinery, cuts, dies, implements, fixtures and office furniture in the warehouse and store; all the greenhouses and growing plants or other property contained therein together with all the horses and wagons.

It is, however, the understanding as expressed in the mortgage, that in case the promissory notes are paid in full when due, the sale and assignment is without effect. It is said that other creditors have commenced suits against the firm; these creditors are mostly European houses, but as the two parties named above now hold all of the personal property, the other creditors will likely realize but very little on their claims, for the outstanding accounts have been assigned previously to the same parties.

The firm was composed of Chas. S. Briggs, Wm. S. Briggs and Ira W. Briggs; it is one of the oldest in the city. It has changed names five or six times in the last sixty years, but its personality has changed but very little. The firm claims that the government free seed distribution had a good deal to do with the failure.

K.

Government Seed Distribution.

WASHINGTON, D. C., Oct. 1.—The Agricultural department has been compelled to forego its decision to distribute this year's seed from Washington, because of a decision by Controller Tracewell of the Treasury that such distribution would be a violation of the law by which the appropriation was made. This decision was rendered today in response to a letter from Secretary Wilson.

In his reply Mr. Tracewell says that the appropriation for the last year was in the same language as that for the present fiscal year, excepting as to the amount appropriated, and he calls attention to the fact that Attorney General Harmon rendered a decision to the effect that the appropriation of last year authorized the Secretary of Agriculture to purchase seeds, already put up in packages and labeled for distribution. Mr. Tracewell holds in view of this decision that while the Secretary can determine the form in which the contractors shall deliver the seeds he cannot purchase the seeds and employ persons to put them up or contract with some one to do that work.

"It must not be forgotten," he adds, "that Congress has used the very plainest language in providing $130,000 for the purchase and distribution of seeds, bulbs, etc., and has attached to the appropriation the specific requirement that not less than $110,000 shall be used in the purchase of valuable seeds. Congress thus fixed a minimum amount, and did not intend that a discretion should be exercised by the Secretary of Agriculture. The whole act is mandatory in form, and the use of one-half of this sum in payment for personal service in distributing seeds would not be a compliance with the specific order of ot Congress."

"The head of a department," the Controller adds, "ordinarily has some discretion in the use of appropriation for his department. The appropriations for seeds seems to be drawn for the very purpose of preventing a construction which would admit of the exercise of any discretion.—*Chicago Tribune.*

MR. EUG. SCHAETTEL, representing Messrs. Vilmorin, Andrieux & Co., Paris, will arrive in New York per S. S. La Bretagne on October 10. His address will be care Mr. Aug. Rhotert, 26 Barclay street, New York, as usual.

HARTFORD, CONN.—Mr. D. S. Chamberlin has taken his two sons F. D. and A. S. into partnership, and the seed business will hereafter be conducted under the firm name of S. D. Chamberlin & Sons.

J. L. SCHILLER and C. B. Knickman have organized as the N. J. Seed Company with headquarters at Rutherford, N. J.

VISITING NEW YORK: F. H. Hunter, representing the Cox Seed and Plant Co., San Francisco.

Omaha, Neb.

NEBRASKA FLORISTS ORGANIZE.—OFFICERS ELECTED. — TWENTY-THREE CHARTER MEMBERS.—PREPARING FOR THE CONVENTION OF '98.

Twenty-three of the florists of Omaha and neighboring cities met in the city hall September 30, and formed the Nebraska Florists' Society. W. R. Adams, superintendent of parks, as chairman called the meeting to order.

Officers were elected as follows: A. Donaghue, president; W. F. Wilcox, vice-president; Jacob Hess, treasurer; E. C. Erfling, secretary; trustees: L. C. Chapin, Benj. Hass, Geo. Swoboda.

Twenty-three were enrolled as charter members as follows: W. R. Adams, Jos. Chalmers, J. Y. Craig, R. H. Davy, A. Delaney, A. Donaghue, A. Donaghue, Jr., Chas. Edderer, E. C. Erfling, Paul Fioth, J. H. Hodgkinson, Lewis Henderson, Jacob Hess, Benj. Hass, Paul Paulson, Geo. Swoboda, Robt. Unger, of Omaha; W. F. Wilcox, Jos. McPherson, of Council Bluffs; L. C. Chapin, F. W. Taylor, of Lincoln; W. J. Hesser, of Plattsmouth; David Nicol, of Fremont.

This society has for its principal object the preparation for the reception of the Society of American Florists in '98, and the interests of the trade in the Trans-Miss. Exposition. All business relative to these subjects was laid over till the next meeting, October 14.

A. DONAGHUE, JR.

LILIUM HARRISII.

(Bermuda Easter Lily)

A FEW OF THE 75 CASES LEFT which were put in our hands for sale from U. S. Bonded Warehouse, and which we continue to offer until sold, at

$8.50 PER CASE OF 400 BULBS.

Also 13 Boxes BERMUDA LONGIFLORUMS at $10 per Case of 400 Bulbs.

WHY PLANT JAPAN BULBS? when Bermudas can be had for **LESS MONEY** and give **MORE FLOWERS.** Also on hand several thousand surplus of the following:

HYACINTHS, DUTCH NAMED,	1st size bulbs, any color	$4.50 per 100
" "	2nd size bulbs, "	3.75 "
" "	Mixed as to Color	2.30 "
" "	Romans, mixed as to color	1.30 "
" "	White Romans (French), 12 to 15 cen.	2.25 "
" "	Small Bermuda	1.00 "
TULIPS, Single or Double mixed,	1st size bulbs	$4.00 per 1000
" "	named, all vars., from	4.00 per 1000 up
NARCISSUS, True Von Sion, selected bulbs		16.00 per 1000
" " "	1st size	14.00 per 1000

AND OTHERS.

CLUCAS & BODDINGTON CO.

IMPORTERS, EXPORTERS AND GROWERS' AGENTS OF SEEDS, BULBS AND PLANTS,

Telephone Call 403 18th St. **501 and 503 W. 13th Street, NEW YORK CITY.**

PALM Seed.

FRESH ON HAND

ALL SEASONABLE VARIETIES.
Prices for select seeds quoted on application.
J. L. SCHILLER,
404 E. 34th St., NEW YORK CITY.



PALMS AND FERNS.

The LARGEST STOCK west of New York.

GEO. WITTBOLD, 1708 N. Halsted St., CHICAGO

Bulbs

Of any kind quoted f. o. b. at lowest rates, by

HULSEBOSCH BROS., Englewood, N. J.



Send your address for my illustrated catalogue of these superb flowers.
M. B. FAXON, Boston, Mass.

PALMS.

CHEAP.

Nice, bushy plants, grown for home trade.

LATANIA BORBONICA. Per 100

3-inch pots, showing character leaves.....$10.00
4 inch pots, 12 to 15 inches high..... 25.00

ARECA LUTESCENS.

3-inch pots..... $10.00
4 inch pots, 15 to 18 inches..... 25.00

PANDANUS UTILIS.

3 inch pots, nice bushy plants..... $10.00
3½-inch pots, nice bushy plants..... 15.00

FERNS Assorted.

2-inch pots.....$ 4.00

PANSY PLANTS.

Vaughan's International Mixture. By mail 65 cts. per 100; $3.00 per 1000 by express.

CASH WITH ORDER.

GROHMANN BROS.

317 Fitzhugh St., SAGINAW, E. S., MICH.

CYPERUS ALTERNIFOLIUS.

2½ inch pots . . . . . 40 cts. per doz.; $2.50 per 100

GREVILLEA ROBUSTA.

2½ inch pots . . . . . 40 cts. per doz ; $2.50 per 100

ASPARAGUS TENUISSIMUS.

3-inch pots . . . . . 50 cts. per doz.; $3.50 per 100

CALIFORNIA VIOLETS.

Field grown . . . . . $4.00 per 100

CARNATIONS.

Mapledale (new) . . . . . $8.00 per 100

Medium sized plants of the following standard varieties, $1.00 per 100: Portia, Wm. Scott, Della Fox, The Stuart, and Tidal Wave.

NATHAN SMITH & SON, Adrian, Mich.

VIOLETS.

MARIE LOUISE,

Healthy stock. Good plants—never had better.

FIELD-GROWN CARNATIONS.

STANDARD VARIETIES. No disease.

400 extra good 2½-in. **SMILAX PLANTS.**

A. WASHBURN & SON, Bloomington, Ill.

BOUGAINVILLEAS.

Beautiful for "cutting" or pot sale.

Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests.

Send for "Comments and Facts."

THEO. F. BECKERT, Glenfield, Pa.

9 miles below Pittsburg, Pa.

300,000 SMALL and LARGE FERNS

in variety; well grown; reasonable prices. Send stamps for samples.

COCOS WEDDELIANA, 2½-inch pots, at $6.00 per 100.

CARNATIONS from field, Victor, Daybreak, Scott, McGowan, K Clover and Eldorado.

B. REDFIELD, Glenside, Pa.

COLLECTION OF PALMS. A BARGAIN.

2 Seaforthia elegans, 5-inch, at	$ .45	$ .90
2 Oreodoxa regia, 4-inch, at	.50	1.00
2 Latania borbonica, 4-inch, at	.25	.50
2 Cocos plumosa, 3 inch, at	.50	1.00
4 Phœnix reclinata, 3-inch, at	.10	.40
4 Latania borbonica, 3-inch, at	.10	.40
2 Seaforthia elegans, 6 inch, at	.60	1.20
2 Rubber plants, 4-inch, at	.30	.60
2 Sword Ferns, 3 and 4-inch, at	.10	.20

Above collection of fine plants for $3.00. Cash with order. $6.20

WILLIAMS & SONS CO., Batavia, Ill.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

Headquarters for CHINESE SACRED LILIES.

One of the best selling bulbs for the retail counter.

STRICTLY CHOICE STOCK, lots of 120 at 4½ cts. each; $42 per 1000. Write for prices on quantities.

LILY OF THE VALLEY.

A Specialty with us.

Qualities the best obtainable.

"London Market," the finest pips in existence for early forcing. Per 100 $1.65, 1000 $13.75, case of 2500 $33.75.

Premium, equal to "London Market" for late forcing. Per 100 $1.50, 1000 $12.25, case of 2500 $30.00.

International, a first-class Hamburg Pip. Per 100 $1.35, 1000 $10.00, case of 2500 $24.00.

WRITE FOR PRICES ON QUANTITIES.

A FULL LINE OF FALL BULBS

For Florists' Forcing now in Stock.

14 BARCLAY STREET, NEW YORK. VAUGHAN'S SEED STORE, 84 & 86 RANDOLPH STREET, CHICAGO.

Just Received

CAR LOAD OF

PALMS

KENTIAS,

LATANIAS,

ARECAS,

ETC., ETC.

They are the Choicest lot we have seen in many a day.

Complete List of Sizes and Prices on application.

1840. Old Colony Nurseries. 1897.

SPECIAL OFFER OF OVER STOCK.

	Per 100
Beech, European, 5 to 6 ft	$25 00
" " 4 to 5 ft	15 00
" purple-leaved seedlings, 4 to 5ft.	15 00
Berberis purpurea, 18 to 24 in	2 00
" vulgaris, 18 to 24 in	2 00
" Thunbergii, 12 to 18 in	6 00
" " 6 to 10 in , 1 yr.	2 00
Elm, Ulmus Americanus, 8 to 9 ft	15 00
Forsythia suspensa, 3 ft	5 00
Pyrus Japonica, 3 to 4 ft., mixed	6 00
Privet, California, 18 to 24 in., trans.	2 00
Symphoricarpus vulgaris, 15 to 18 in.	3 00
Viburnum opulus (tree cranberry), 3 to 4 ft	6 00

	Per 100
Asclepias tuberosa	$ 2 00
Hemerocallis flava, fulva, Dumortieri.	3 00
Iris, German, 10 sorts	4 00
" Japan, 10 sorts	4 00
Liatris scariosa	5 00
Lily of Valley, sod 3 inches square (not for forcing)	3 00
Pæonies, mixed per 1000 $40,	6 00
Platycodon	5 00
Sabbatia chlorides	5 00
Yucca filamentosa, strong	8 00
Ampelopsis quinquefolia, strong	4 00
Bignonia radicans	5 00

T. R. WATSON, Plymouth, Mass.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

W. and D's. CELEBRATED "Sure Crop" Mushroom Spawn. SPECIAL quotations to LARGE buyers.

ALL KINDS OF BULBS—Lilium Harrisii, Freesias, Roman Hyacinths, Narcissus, etc., etc. Special prices on application.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., NEW YORK CITY.

Mention American Florist.

Marie Louise Violets

Healthy, field-grown plants,

$4.00 PER 100. CASH WITH ORDER.

CHAS. L. DOLE,

279 West Avenue, LOCKPORT, N. Y.

MAIL

For Insurance against damage by hail, Address

JOHN G. ESLER, Sec'y, F. H. &.. Saddle River. N. J

FERNS.

We make a Specialty of small Ferns for the Fall trade.

Write for special prices on large quantities. Order early.

JOHN SCOTT,

Keap Street Greenhouses, BROOKLYN, N. Y.

ROBERT CRAIG,

Roses, Palms,

AND

Novelties in Decorative Plants

MARKET AND 49th STREETS,

PHILADELPHIA, PA.

HARDY Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA.

PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING,

The Reading Nursery, READING, MASS.

ESTABLISHED 1854.

CYCLAMEN GIGANTEUM.

3-inch pots.....$ .75 per doz.; $ 6.00 per 10
3½-inch pots..... 1.25 per doz.; 10.00 per 10
5-inch pots..... 2.25 per doz.; 20.00 per 10

☞ Cash with the order please.

JNO. E. DE WALT, Box 82, Carlisle, P..

Kansas City, Mo.

THE CHRYSANTHEMUM SHOW—ENTHUSIASTIC AMATEURS.—QUEEN FLORA TO RECEIVE—A TOUR OF THE GROWERS' HOUSES—SOME CAPITAL PLANTS.

A very pleasant evening was spent on Saturday last, when after the business of the day was over several of the craft interested in floriculture met to partake of a supper, to which your scribe had the honor of an invite. The forthcoming chrysanthemum show was the chief topic of conversation, and it was refreshing to see such enthusiasm displayed by the amateur element, ably represented by Messrs. Schwartz and Roberts.

It was suggested as an additional drawing card to extend an invitation to one who is considered by a recent popular vote to be the most beautiful woman in Kansas. The idea is that this lady shall receive under a floral bower costumed as Queen Flora and present favors in the shape of pot plants to the children and flowers to the adult patrons. This will doubtless prove a happy conception; the young bucks especially will fairly tumble over each other in their desire to have a boutonniere pinned in the lapels of their coats.

The show will be given as usual in the armory and under the direction of Mr. Ripley, an enthusiastic amateur who has done much to make the success accomplished in the past. Upon adjournment it was decided to make a tour on the day following to the intending exhibitors and see what condition their stocks were in. This was accordingly done. The plants of Messrs. Brown & Son, Jas. Payne, A. Barbe and R. Jarrett do them credit. Probst Floral Co. (Sam'l Murray, manager) will beat their record of former years with a splendid lot of plants. Those grown for exhibition are in 12 and 14-inch pots, while for store sales a big lot of 5 and 6-inch stock is being carried. The principal kinds are Mrs. E. G. Hill, Mrs. H. Robinson, Miss Wanamaker, Ivory, Jerome Jones, Major Bonnaffon, Eugene Dailledouze, H. L. Sunderbruch. Lincoln will be ready at Thanksgiving. Mr. Murray is not anxious to get very early blooms. Roses are in good demand now.

Wm. Sharp, the able foreman, was administering the stimulator so necessary at this period in the life of autumn's queen, and is justly proud of the capital stock under his care. The general order and cleanliness of the place was strongly impressed upon us. I understand Mr. Sharp intends making a tour of Mexico shortly and will return with a collection of cacti if he survives the perils of the trip. He is studying up the language of the country in his spare moments.

Arthur Newell will be prominent in the cut flower and design section of the show.

V. M. C.

GREENFIELD, IND.—Mr. B. W. Cline, who has been doing a greenhouse business at 151 W. Main street, has entered into partnership with J. W. Myer, of The Myer Plant Nursery. The new firm will be known as the Greenfield Floral Co. and will do a general florist business, with a store at 53 West Main street.

ROSES. Extra fine stock, clean and healthy.

BRIDE and BRIDESMAID, from 2½-inch pots, $20.00 per 1000; $2.50 per 100.
BRIDE and BRIDESMAID, from 3½-inch pots, $35.00 per 1000; $4.00 per 100.
KAISERIN, $3.00 per 100.
SMILAX PLANTS, $1.50 per 100.
TERMS CASH.
NATIONAL PLANT CO., Dayton, O.

CARNATIONS. 50,000 strong and healthy field-grown CARNATIONS.

WM. SCOTT, ROSE QUEEN, TIDAL WAVE, NANCY HANKS, PORTIA, LIZZIE GILBERT, CORSAIR, STORM KING, IVORY.

$3.00 per 100; $25.00 per 1000. No order for less than 100 accepted.
REINBERG BROS., 51 Wabash Ave., CHICAGO.

4 Acres Field-Grown Carnation Plants, 94,000.

Our carnations are grown with the greatest care, and are first-class plants. Free from disease. We pack light by our improved system of packing, by which we can send them to all parts of the United States and Canada in perfect condition.

CRIMSON SPORT, IVORY $1.50 per dozen. $8.00 per hundred. DEAN HOLE, BUTTERCUP
BRIDESMAID, DAYBREAK, ALBERTINI, BRIDE OF EARLESCOURT $1.25 per dozen. $8.00 per hundred. CHESTER PRIDE, NICKELSON
SWEETBRIER, LIZZIE McCOWAN, MRS. CARNEGIE, L. L. LAMBORN, SILVER SPRAY, PORTIA, MRS. FISHER, GRACE WILDER, PURITAN, WM. SCOTT, ROSALIND
$1.00 per dozen. $5.00 per hundred. $45.00 per thousand.
J. L. DILLON, BLOOMSBURG, PA.

FIRST-CLASS FORCING ROSES.

Fully equal to those sent out the last four years, first-class in every respect. Only selected growth from flowering shoots used in propagating.

250 METEORS, 700 LA FRANCE, 700 PERLES, 400 SAFRANO, 550 SUNSETS, 200 GONTIER, 750 KAISERINS,
3-inch pots, $5.00 per 100.
J. L. DILLON, Bloomsburg, Pa.

CARNATION PLANTS

We offer for sale an extra fine lot of
ROSE QUEEN CARNATIONS
now in the field. Have about 5000 plants.
PRICE, $3.00 PER HUNDRED.
No other varieties left.
BASSETT & WASHBURN, Hinsdale, Ill.

VIOLETS
Marie Louise, and California.

Strong, well established, clean, healthy plants, from 4-inch pots, at $4.00 per 100. Field-grown clumps of California at $5.00 per 100.

Carnations.
Daybreak, Silver Spray, Rose Queen, Garfield and Portia.

Clean, healthy, field-grown stock, at $4 per 100. Samples mailed on receipt of 10c to cover postage.
L. L. MAY & CO., St. Paul, Minn.

Surplus Carnations.

I have 2000 CARNATIONS, field-grown, at $4.00 per 100, in the following varieties:

200 Tidal Wave, 200 Daybreak, 100 Bridesmaid, 300 Rose Queen, 200 Wm. Scott, 200 Meteor, 400 Minnie Cook, 400 McCowan
SEND FOR SAMPLES.
W. A. WETTLIN, Hornellsville, N. Y.

ASPARAGUS PLUMOSUS PLANTS.

3-inch.....$8.00 per hundred.
4-inch.....10 00 per hondred.

FIELD-GROWN CARNATION PLANTS.

Portia, Hector, McGowan, T. Cartledge, Daybreak, Fisher, 4000 Alaska, $5.00 per 100. CASH WITH ORDER.
F. BURKI, Bellevue, Pa.

Field Grown CARNATIONS

Good, healthy stock, $3 per 100. Cash with order.

1000 Craig, 1500 Alaska, 150 Peachblow, 3000 Scotts, 1000 Goldfinch, 1000 Rose Queen, 500 Della Fox, 500 Albertini,
3000 DRACAENA INDIVISA, price for 6 in. pots, $10 per 100.
5000 LATANIA BORBONICA, 4 inch pots, $15 per 100.
2000 FERNS—Nephrolepis exaltata, 3 inch pots, $10 per 100.
1000 Nephrolepis Bostoniensis, 3-inch pots, $12.00 per 100.
1000 Cordata compacta, 3 inch, $12.00 per 100. All very fine plants.
E. HIPPARD, Youngstown, Ohio.

ORCHIDS. ORCHIDS.

We do not claim to have everything; but we do claim to have the finest stock of CATTLEYAS. Just what the American Florists want.
Established plants by the dozen or the hundred, and we also expect an early arrival of CATTLEYA LABIATA. Write for particulars to
LAGER & HURRELL,
Orchid Growers and Importers, SUMMIT, N. J.

BOUVARDIAS—Double pink and white, fine plants from open ground, $5 00 per 100.
CARNATIONS—Fine assortment, field-grown, $5 00 per 100.
SMILAX—Strong, 2½-inch, $2.50 per 100; $15.00 per 1000.
AMPELOPSIS VEITCHII—Strong plants from 4 inch pots, $6 00 per 100.
Send for Fall Trade List.
VICK & HILL CO., ROCHESTER, N. Y.

	Per 100
SMILAX—Strong 1 year	$1.50 and $2.50
CLEMATIS—Leading kinds for fall	
PÆONIAS—Herbaceous, choice asst.	8.00
NARCISSUS—Double and single Poets	.75
RED JACKET COOSEBERRIES—Very low prices.	
DOWNINC COOSEBERRIES—1 and 2 year.	
DAISIES—Snowflake and Snowdrift	2.00
H. P. ROSES—In assortment	10.00

F. A. BALLER, Bloomington, Ill.

Smilax Plants

from 3-inch pots, $2.50 per 100; $20.00 per 1000. It pays to buy strong plants.
JOSEPH E. BONSALL, Salem, Ohio.

Always mention the American Florist when writing to advertisers.

CARNATIONS

LARGE FIELD-GROWN PLANTS.

VICTOR	per doz. $1.50; per 100	$10
EMMA WOCHER	" 1.00; "	$8
ARMAZINDY	" 1.00; "	$8

DELLA FOX,
DAYBREAK,
ELDORADO,
IVORY,
LIZZIE McCOWAN,
MINNIE COOK,
ROSE QUEEN,
SILVER SPRAY,
TIDAL WAVE,
WM. SCOTT,
Per 100 $6.00
Per 1000 $50.00

Write for Special Price List on Palms and Ferns.

VAUGHAN'S SEED STORE,

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FIELD-GROWN

CARNATIONS

	PER 100
STANDARD VARIETIES,	$5.00
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F. DORNER & SONS CO.,
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CARNATIONS,

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Always mention American Florist.

CARNATIONS.

Field grown Scott, McGowan, Portia and Rose Queen, $5 00 per 100; $45 00 per 1000
Daybreak, and The Stuart (red), $6 a 100; $55 1000.

GERANIUMS.

Rooted cuttings of Mme. Bruant and Fleur Poitevine, $4.00 per 100.
VINCAS, field-grown. $5.00 per 100.
Palms, Rubbers and Cut Flowers.

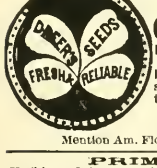
THE F. R. WILLIAMS CO.,
334 Erie Street. CLEVELAND, O.

FOR SALE.

Palms, all kinds and sizes **Ficus, Araucarias, Cyclamen, Primroses** and **Azalea indica** in any quantity; prices very low; quality A No. 1.
Eucharis amazonica, $2.00 per 100.
JOHN BADER, Troy Hill. Allegheny City, Pa.

For MILDEW on ROSES

CARNATION RUST, FRUITS AND VECETABLES,
USE FOSTITE; 5 lbs. 50 cts.; 25 lbs. $2.00.
C. H. JOOSTEN, Importer of Bulbs, Plants, Seeds.
193 Greenwich St., NEW YORK.
Mention this paper.



TRY DREER'S
GARDEN SEEDS,
Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.
HENRY A. DREER,
Philadelphia, Pa.
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PRIMULAS. Per 100

75 Chinese Primroses, 4-inch, very strong $6 00
50 Obconica, 3-inch pots, 6 inches across, fine.... 3 00
150 Obconica, 4-inch pots, 12 inches across, extra, 5 00
Would exchange for Cyclamen giganteum, 5-inch, or Kentia Belmoreana palms, 5-inch.
S. M. HARBISON, Danville, Ky.

HERR'S PANSIES
ARE
THE BEST.

SEED, $1.25 per 1-4 ounce.
PLANTS, $5.00 per 1000; 75c. per 100; 2,500 for $10.00.
SMILAX, fine plants at $1.25 per 100; $10 00 per 1000. Sample for 10 cts.

ALBERT M. HERR, Lancaster, Pa.

HERR'S
CARNATIONS

2000 McGOWAN,
1000 ARMAZINDY,
700 ABUNDANCE,
500 PORTIA,
300 ALASKA,
500 CARTLEDGE,
5c. EACH.

3000 TRIUMPH, the best pink in every particular I ever grew, at $7.50 per hundred.
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August Rölker & Sons

Wholesale Dealers in
SUNDRIES
for Florists and Horticulturists have removed their extensive stocks to their
NEW STORE AND OFFICES AT
52 Dey St., New York.
Orders from the trade solicited.

GEO. A. KUHL,
Wholesale Cut Flowers,

ROSES, CARNATIONS, and SMILAX.
GEO. A. KUHL, - - Pekin, Ill.
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CARNATIONS

1100 Rose Queen, and about **100 each of Scott, Tidal Wave, Nancy Hanks, Helen Kellar,** and **Dorner; $30.00 takes the lot,** about 1500 in all, or by the 100 $3 00

A. G. PRINCE & CO.,
88 & 90 Wabash Ave., CHICAGO.

H. P. ROSES for forcing.

Clematis, Rhododendrons, Magnolias, Hardy Azaleas, Tree Roses, Etc.

L. C. BOBBINK, Rutherford, N. J.
Branch Horticultural Co., Boskoop, Holland.

Adiantum Farleyense

EXTRA FINE PLANTS,
In 5-inch Pots, $9.00 per Dozen.
EDWIN LONSDALE,
Chestnut Hill, Phila., Pa.
Money Order Office, Station H. Phila., Pa.

CARNATIONS

Free from Disease. Field-grown.
ROSE QUEEN, SCOTT, IVORY, PIERSON.
Write for prices.

VIOLETS. 1,000 LADY CAMPBELL, field-grown, at a bargain.
CRABB & HUNTER, Grand Rapids, Mich.

PANSIES that PAY and PLEASE

Our strain of Select Giant Bugnot and best Novelties for large blooms and beautiful coloring are up to any other best. Robust field plants, 60c per 100; $4.00 per 1000. Large lots special price. **SEED,** 1-10 oz. 30c; 1 oz $4.50.

Ceraniums, 50 000 under way; Coleus, Begonias, Petunias and Verbenas are Specialties.
D. K. HERR, Rider Ave., Lancaster, Pa.

CARNATIONS.

McGOWAN, PORTIA, ELDORADO, BUTTERCUP, LOUISA, ANNA WEBB, KITTY CLOVER. No rust. $3.50 per 100. cash.
HERRON & STRATTON, OLEAN, N. Y.

ROSES! ROSES! ROSES!

In order to make room for other stock, I offer 10,000 extra fine roses, clean and healthy at the following low price:

BRIDES and **BRIDESMAIDS,** from 2½ inch pots, $15.00 per 1000; $1.75 per 100.
PERLES, from 3-inch pots. . . . . $3.00 per 100.
METEORS, from 2½ inch pots . . . . $3.00 per 100.
TERMS CASH.

CHAS. KOEPPEN, Sedalia, Mo.

Field HYDRANGEAS

1000 FINE STOCKY OTAKSA.
To be sold quick.
JOHN REIMELS,
WOODHAVEN, N. Y.
When writing mention the American Florist.

MORELLO

Field-grown, at $1 50 per dozen; $10.00 per hundred.
HOPP & LEMKE, Paul P. O., Mich.

The Cottage Gardens,

QUEENS, L. I.

SPECIALTIES IN
CARNATIONS, CHRYSANTHEMUMS, CANNAS, GERANIUMS, DAHLIAS.
Send for our Price List. . . . . .

E. G. HILL & CO.,
Wholesale Florists

RICHMOND, INDIANA

PRIMROSES. Per 100

CHINESE PRIMROSES, 3-inch pots. $2.50
CINERARIAS, ready Nov. 1st 2.50
CHRYSANTHEMUMS, 20 vars., 5 inch pots.. 8.00
PANSY PLANTS, ready Oct. 15th, 1000 $3.50, .60
CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, O.

STOCKY.
FIELD-GROWN **CARNATIONS.**

New and standard vars., $5 00 per 100 and upward.
GEO. HANCOCK & SON, Grand Haven, Mich

When you write an advertiser please state that you saw the adv. in the FLORIST.

Syracuse, N. Y.

FROSTS FINISH OUTSIDE FLOWERS.—TRADE KEEPS IMPROVING.— CHRYSANTHEMUMS LATE.—GOOD VIOLETS AND CARNATIONS.

We have had three successive frosts, which have finished up outdoor flowers for this season, and consequently flowers, especially white stuff for funeral work, are extremely scarce. Roses and carnations are beginning to come in in larger quantities, still the home supply is not anywhere equal to the demand, as trade still keeps on improving in a very satisfactory manner.

Chrysanthemums are a little later this year than usual; it seems it will be quite another week before Bergmann, Merry Monarch and Marion Henderson will be fit to cut. There are a few violets to be seen, and although they are not up to the standard of size and color at present they sell very quickly. Quite a number of weddings occurred the past week where plants and flowers were extensively used. The McCarthy-Murphy wedding was a very elaborate affair.

There is every reason to believe Henry Burt will be the Syracuse violet king this year. A house that he has had planted all summer with the sash removed are the best plants the writer has ever seen at any time of the year. His carnations also that he planted the beginning of August where the glass had been removed are looking exceedingly well and producing fine flowers. He points with especial pride to Mr. May's new variety Maud Dean, which has done splendidly with him and is certainly a grand thing.

ALPHA.

Warning.

From letters received from Waukegan and other towns near Chicago some fellow has been swindling florists by pretending to represent us (and probably other firms) and selling them a bill of plants, etc., for fall delivery, such as carnations, roses, etc., and then borrowing or obtaining money on account. In one or two cases he claimed to be a member of the firm. Please state in the FLORIST that we have no traveling agents nor have we visited these parties personally.

This is probably the same swindler mentioned in the FLORIST last spring. Florists should pay no money to strangers at least till the goods are in sight.

Dubuque, Ia. W. A. HARKETT.

DUBUQUE, IA.—Wm. Springborn, the florist, committed suicide October 4, by shooting himself in the head with a shot gun. He left no explanatory note and his relatives and friends know of no cause for the act except recent ill health. Mr. Springborn was 63 years of age and a bachelor. He was a native of Germany but had been a resident of this city for about 27 years and had many friends here. He owned the ground on which his greenhouses stand and was considered quite well off.

MILWAUKEE, WIS.—The preliminary premium list for the seventh annual flower show of the Milwaukee Florists' Club, to be held in November, has been issued, and copies may be had on application to the manager, Mr. A. Klokner, 930 Grand avenue.

BULLETIN No. 81 of the Ohio Agricultural Experiment Station, Wooster, O. is devoted to "The San Jose Scale in Ohio." The information given is very complete and the bulletin is freely illustrated. It can be had free on application by any resident of Ohio.

ATTENTION EVERYBODY

The Sensational Carnation of the year — PER 100

FLORA HILL, nice, clean, field-grown plants . . $10.00
ARMAZINDY, SPLENDID PLANTS, 8.00
TRIUMPH, FINEST PINK, 8.00

CYCLAMENS Magnificent plants grown from the finest English prize flowered strains. We have used this particular strain for years, and it has pleased thousands of our customers. Strong, clean, well furnished plants, from 4-inch pots, **$10.00 per 100.**

E. G. HILL & CO., Richmond, Ind.

ORNAMENTAL TREES AND SHRUBS.

Roses, Bulbs and Hardy Perennials

In Large Assortment and of Superior Quality.

Fully believe that we can show more Ornamental Trees and Shrubs, and a larger, finer block of Hardy Roses, Hybrid Perpetual Moss and Climbers of the leading popular varieties including the famous Crimson Rambler than can be seen elsewhere. We have 32 greenhouses, several of them devoted to Palms, Cycas, Ficus and Araucaria Excelsa. Personal inspection and correspondence solicited. Catalogue free.

THE STORRS & HARRISON CO., Box 5 Painesville, O.

Mention American Florist.

Pansy and Geranium PLANTS.

PANSIES—Giant flowering, transplanted; no spindly plants, 50c per 100; $4 per 1000.

NEW GERANIUMS—That cost this spring $25 per 100; 6000 now ready, in 20 choice varieties, named, 2-inch, $3 per 100.

NEW VELVET PLANT—A big seller, 3-inch 50c per dozen.

THE MORRIS FLORAL CO., Morris, Ill.

Pansies Worth Raising.

STRONG PLANTS, ready now, $4.00 per 1000, f. o. b. express here.

SEED, as usual.

CASH WITH ORDER.

C. SOLTAU & CO., 199 Grant Ave., JERSEY CITY, N. J.

PANSIES.

ROEMER'S SUPERB PRIZE PANSIES.

PLANTS, strong and bushy, 65 cts. per 100, by mail. By express..... .....$2 00 per 500. By express.....$4.00 per 1000.

Cash with order.

PETER BROWN, Lancaster, Pa.

Pansy Plants.

READY NOW.

One on the best strains, and good plants, 75c per 100; $5.00 per 1000.

CASH WITH ORDER.

E. P. HOSTETTER, Manheim, Pa.

John Conley & Son,

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,

New York.

UMBRELLA PLANTS ..... $1, $2 and $3 per 100
DOUBLE HOLLYHOCK, large roots ...$4 per 100
CLEMATIS, hardy, white, field grown....$5 per 100
THOMSON'S RED RASPBERRY.... $5 per 1000
Cash with order.

SMITH'S VILLA GREENHOUSE, Sioux City, Iowa.

JAPANESE NURSERIES,

Importers, Exporters and Growers of PLANTS, BULBS, SEEDS, Etc.

ESPECIALLY

LILY BULBS, CYCAS REVOLUTA, MAPLES, IRIS, TREE PAEONY.

Our stock is the best, at the lowest prices, and we test everything at our experimental garden on Columbia street, Dorchester, Mass.

Wholesale Price List to the trade only.

Branch of YAMANAKA, AMANO & CO.

272 Boylston St., BOSTON, MASS.

Mention American Florist.

PANSIES. 500,000 NOW READY.

THE JENNINGS STRAIN. FIRST-CLASS IN EVERY RESPECT, and the LEADING STRAIN TO DATE.

BUFFALO, N. Y., June 8th, 1897.

MR. E. B. JENNINGS. Dear Sir:—The Pansy seed supplied by you last August produced the finest lot of flowers I have ever seen. They were uniformly first-class. Send me one ounce of your best mixed as soon as ready. Respectfully, WM. SCOTT.

100 by mail 75c; 1000 by express $4; 5000 $18. Seed of the above strains $1 per pkt.; $6 per oz.; $3 per ½ oz.

CARNATIONS—Fine, stocky, field-grown plants, leading sorts, $3.00 per 100.

Cash with order. **E. B. JENNINGS,** Lock Box 254. **Southport, Conn.**

Grower of the finest Pansies.

WINTZER'S

New Pedigree Cannas.

MAIDENS BLUSH, undoubtedly the best pink Canna yet introduced.

PHILADELPHIA—The finest crimson.

ALSACE—Nearest pure white. And many other choice new kinds of our own introductiou.

Write for special list. **THE CONARD & JONES CO.** West Grove, Pa.

FIELD-GROWN

Carnations and Roses

IN FINE CONDITION.

1000 Wm. Scott, 500 Uncle Jobu and 200 Mme. Albertini, at 4c. Clean as a whistle. No rust.

Also 4000 field-grown Roses, 15 to 20 inches, at 5c. Bride, Bridesmaid, La France, K. A. Victoria, and White La France.

JOY & SON, Nashville, Tenn.

VIOLETS.

MARIE LOUISE,
LADY CAMPBELL,
SWANLEY WHITE.

Healthy, field-grown, $3.00 per 100, to close out.

L. E. MARQUISEE, Syracuse, N. Y.

Hot-Bed

Sash.

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3 ft. x 6 ft., 3 rows 10 in. glass.
3 ft. 3 in. x 6 ft., 4 " 8 in. "
4 ft. x 6 ft., 5 " 8 in. "

Not glazed, 1¾ in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,

Lockland, Ohio.

FOR THE FALL SEASON.

PALMS
FLOWERING PLANTS

See A. SCHULTHEIS, College Point, N. Y.
P. O. Box 78. Telephone Call 51 F.
Take North Side Division L. I. R. R. or Trolley.

Kentias, Areca lutescens, Latania borbonica, Phœnix, Pandanus utilis, Ficus elastica, Cocos Weddeliana, Araucaria excelsa, Cyclamen persicum. Ericas our specialty. Chrysanthemums in pots. Azaleas.

Mention American Florist.

Field-Grown Violets.

$3.50 per 100; $30.00 per 1000.

MARIE LOUISE, large, and NOT A SPOT. Have never been troubled with disease in this section. 2nd size $2.50 per 100; $18.00 per 1000.

SMILAX, 2½-inch, once cut back, $1.25 per 100; $10.00 per 1000. Samples by mail 10c.

Cash or good references with order please. Write for special price on large lots

R. KILBOURN, Clinton, N. Y.

2c. CINERARIAS. 2c.

We have a large stock of the choicest strain of Dwarf, Large-Flowering Cinerarias, which we put at this low figure.

2¼-in., ready to shift, $2 per 100; $15 per 1000. 500 at 1000 rate. Extra plants added.

WHITTON & SONS, Wholesale Florists,
City and Green Streets, UTICA, N. Y.

GOOD SMILAX PLANTS.
2½ and 3-inch pots.

FINE STOCK OF VIOLETS.
Princess of Wales, Luxonne, California, Admiral Avellan, Shoerbrunn, Lady H. Campbell, Swanley White, Hardy English, all good strong clumps. Send for price. P. M. De WITT, Torresdale, Phila., Pa.

ROSE HILL NURSERIES.

New York Long Distance Telephone 1742--38. New Rochelle Long Distance Telephone 151.

The largest and finest stock in America. Now is the time to order and have your stock shipped by freight before cold weather and save expressage.

TWO WEEKS. "SPECIAL OFFER" FOR TWO WEEKS.

A Few Specialties:

ARECA LUTESCENS, 5-in. pots, 15–18 in. high, 7–8 in. pots, 8 ft.
COCOS WEDDELIANA, 2½ to 5-inch pots. Beautiful stock.
LATANIA BORBONICA, in all sizes.
KENTIA BELMOREANA, finest stock ever offered, in all sizes.
PHŒNIX Reclinata, Rupicola, Canariensis, different sizes.
DRACÆNAS, 10 vars., colored and coloring.
DRACÆNA canes, grand lot in fine shape, 13 varieties. (Last offer).
FICUS ELASTICA, 10,000 beautiful plants, 50c and 75c each.
FERNS—Nephrolepis cordata compacta. The finest in the country.
Nephrolepis dav. furcans, grand stock (two houses).
Nephrolepis Bostoniensis. Ferns for jardinieres, in 6 varieties, 2¼-inch pots.

If you are in the market to buy and get the finest stock, give us a call. Home-grown and cool grown stock. Write for prices.

Write, Telegraph or Telephone, and our carriage will meet you.

SIEBRECHT & SON, New Rochelle, N. Y.

PALMS!

Areca lutescens, Latania borbonica, Kentias, Cocos Weddeliana, Etc.

HARDY, HOME-GROWN, PERFECT PLANTS, LARGE STOCK OF ALL SIZES.

CALL AND SEE THEM. They will BEAR INSPECTION.

Wholesale List on application.

JOSEPH HEACOCK, Wyncote, Pa.

Mention American Florist.

CARNATIONS.

Rose Queen, Silver Spray,
Daybreak, Portia.
Fine, stocky, field-grown plants.

SMILAX.

A few thousand Smilax, good strong plants in 2½-inch pots.

VIOLETS.

Marie Louise, clean, healthy plants.
Write for prices.

GEO. SOUSTER, Elgin, Ill.
Mention American Florist.

FERNS.

Strong plants, grown outside all summer. P. hastata, P. cretica albo lineata, P. adiantoides, etc., 3-inch pots, $6.00 per 100; $55.00 per 1000.

JOHN WELSH YOUNG, Germantown, Pa.

Fern Pteris Tremula

NOW READY.

In excellent condition, from 2½-inch pots, 10 to 12 inches high, ready to shift to 4s, $3.50 per 100; $30.00 per 1000.

R. WITTERSTAETTER, Sedamsville, O.

PRIMULA CHINENSIS, 2-inch pots ..... $2.50 per 100, $20.00 per 1000
PRIMULA, transplanted seedlings, from flats $1.50 per 100.
FERNS, 3-inch pots ..... $5.00 per 100
CARNATIONS. Field grown Lizzie McGowan and Scott. Write for prices.
VIOLETS. Marie Louise, strong field grown. Write for prices.
HYDRANGEA HORTENSIS, rooted cuttings ..... $2.00 per 100
SWAINSONA ..... $2.00 per 100
ABUTILON Souvenir de Bonn and Golden Fleece... $3.00 per 100
GERANIUMS. Rooted cuttings ..... $1.50 per 100, $12.00 per 1000

C. LENGENFELDER.
Lincoln and Berteau Avenues, CHICAGO.

SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.

HIGH GRADE BOILERS.

STEAM AND HOT WATER
FOR GREENHOUSE WORK.

Write for catalogue and prices.

GIBLIN & CO., Utica, N. Y.

San Francisco.

TRADE IMPROVING —CHRYSANTHEMUMS.—STOCK OF BETTER QUALITY.—A NEW ROSE.—VARIOUS ITEMS.

Trade is steadily improving. Chrysanthemums are now coming into the market in all their glory and considering the very warm weather the quality is excellent. Some very fine Ivory and Mrs. E. G. Hill can be seen, also a few Bonaffons. White and yellow chrysanthemums are bringing from 50 cents to $1 per dozen. Mrs. E. G. Hill brings 75 cents per dozen with rather limited supply. The demand for chrysanthemums is just as good as it ever was showing that their popularity is not at all on the wane. The Chinese growers as usual are sending in small lots of chrysanthemums of an inferior grade which in time find their way onto the street. There is satisfaction in knowing that they never bring in any selected flowers that can command high prices.

Roses are also improving rapidly in quantity with a very fair demand for good stock. Carnations are rather scarce particularly Scott and white varieties. Violets are becoming more plentiful and are of excellent quality. The fragrance at present is as good, if not better than at any other period of the year.

Matroia & Canepa have opened a flower store at 31 Geary street.

Mr. Sidney Clack has a new rose, a sport from the Bride, consisting of a beautiful blending of pink on a white ground, which he considers very valuable.

Mr. M. Lynch is having his new greenhouses heated by hot water and is also having the old houses painted and reglazed.

Mr. John Carbone, well known as a chrysanthemum grower, is beginning to send in some very good flowers which are commanding the highest prices. His chief sorts for cut flower work are Queen, Bonaffon, Dailledouze and a few others.

METEOR.

THE Herendeen Mfg. Co., Geneva, N. Y., has issued "A treatise on greenhouse heating in connection with the Furman boiler." It is neatly printed, freely illustrated and contains among other matter some very useful tables showing amount of radiating surface necessary to heat a given amount of glass exposure to various temperatures in zero weather. It can be had free on application.

SUSSEX, N. B.—The *Weekly Record* of September 10 publishes an interesting description of the establishment of Mr. H. E. Goold, from which we learn that Mr. Goold has made extensive additions and improvements this year, including a new three-quarter-span house, potting sheds, store houses and new boiler and piping. In six years Mr. Goold's place has grown from one small house to the present fine plant containing 10,000 feet of glass. Mr. Goold's stock is in fine shape and he has recently added to his record as a prize taker at the exhibitions.



GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.
Before buying write for prices.
361-363 Herndon Street,
near Wrightwood Ave.,
CHICAGO, ILL.

FOR SALE CHEAP.
GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats. Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Broadway, NEW YORK.

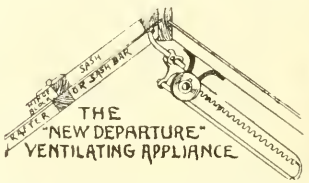
STANDARD FLOWER POTS.
Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.
A FULL LINE OF BULB PANS.
THE WHILLDIN POTTERY COMPANY, 713 to 719 Wharton Street, Philadelphia, Pa.
BRANCH WAREHOUSES: { Kearney and Westside Aves., Jersey City, N. J. / Jackson Ave. and Pearson St., Long Island City, N. Y.

STANDARD FLOWER POTS
Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.
A. H. HEWS & CO., N. Cambridge, Mass.

SYRACUSE POTTERY CO.
Manufacturers of
FLOWER POTS, BULB PANS, HANGING BASKETS AND SAUCERS
OUR Flower Pots are standard measure and all first-class and we assure you they will give good satisfaction. We call your attention to our new pots, 6, 7, 8 and 9-inch, called the "Poro Pot." They are more Porous than any pots, smoother inside and outside, perfect drainage, and are easily washed and cleaned. Give them a trial and you will not want any other. Remember, these Pots are as cheap as any other Pot on the market. Write for price list.
SYRACUSE POTTERY CO., SYRACUSE, N. Y.

DON'T SYRINGE WITH COLD WATER
And so lower the vitality of your Stock, inviting Mildew, Black Spot, and other Diseases, but write for particulars of my Tempering Apparatus.
HENRY W. GIBBONS, HEATING ENGINEER AND GREENHOUSE BUILDER,
134 LIBERTY STREET, NEW YORK.

WINDOW GLASS. LOW PRICES.
JOHN LUCAS & CO.,
PHILADELPHIA.



You can not get a GOOD THING for nothing. But the price of this apparatus is next to nothing. Send for price and description to
J. D. CARMODY, Evansville, Ind.

OUR
TRADE DIRECTORY
AND
REFERENCE BOOK
Contains a vast amount of valuable reference matter in addition to the directory list
PRICE $2.00.
AMERICAN FLORIST CO.
322 Dearborn Street, CHICAGO.

FLOWER POTS.
We Manufacture all kinds of Flower Pots, etc.
Making a Specialty of
Florist Standard Pots
Send for price list and samples (which will be sent free and we know you will give us your order:
J. G. SWAHN'S SONS, P. O. Box 78, Minneapolis, Minn.

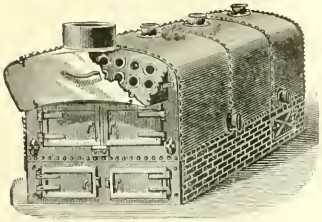
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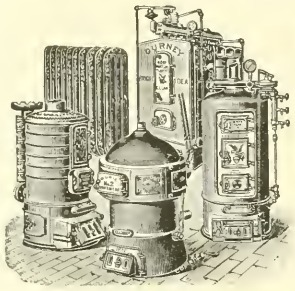
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SOUTH WEYMOUTH, MASS.—The Weymouth Agricultural Fair last week was unusually successful, the horticultural department being more extensive and the displays more creditable than ever before. Geo. Hollis showed some grand new coleuses.

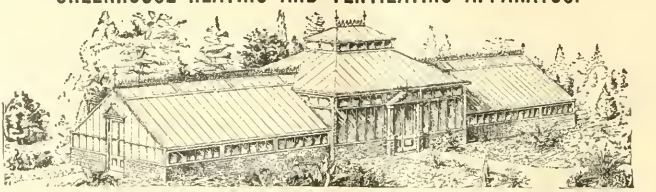
MORRIS, ILL.—Over 1,500 people visited the greenhouses of the Morris Floral Co. on the occasion of their "opening" September 29. A prime attraction was a wedding at the establishment, Mr. Geo. Earsners and Miss Spang being united in marriage among the flowers.

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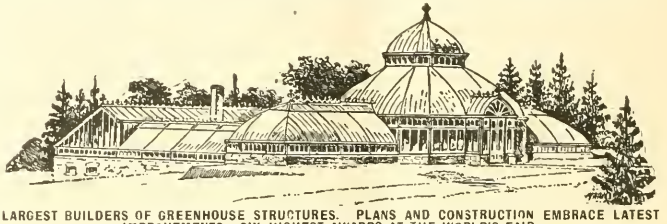
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Vol. XIII. CHICAGO AND NEW YORK, OCTOBER 16, 1897. *No. 489*

Mass. Agricultural College 1897

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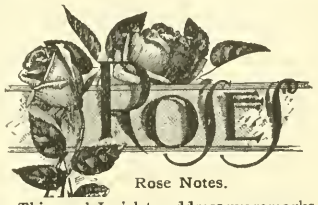
The fourteenth annual meeting will be held at Omaha, Neb., August, 1898.

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PRINT the name and address of the secretary on your premium lists. The effect of the list is largely lost if it does not contain the name and address of the secretary, or some one to whom correspondence may be addressed.

POUGHKEEPSIE, N. Y.—An interesting paper was read by Mr. Wm. Russell at the meeting of the Dutchess County Horticultural Society on the afternoon of Oct. 6. The subject was: "My experience with greenhouse grapes grown outside."



Rose Notes.

This week I wish to address my remarks, which may be rather pointed, principally to the young men who are doing the actual work in our rose houses. It is important that they understand the very close relation that exists, by virtue of their position, between themselves, and poor, medium, or very fine roses. A clever grower may perhaps produce choice stock with the assistance of only inferior men, but he will succeed very much better, and with far less worry, if his employes are intelligent and thorough in all their work. I suppose a majority of the young men who by choice enter the rose growers' ranks, do so with the expectation that sooner or later they will rise to the position of foreman, or perhaps employer. Let me remind such that they have entered a school from which they will not graduate with honor except by an immense amount of study, without putting forth all the effort of which they are capable, and not without suffering many a heartache and disappointment. There is no royal road to success in rose growing, it comes only as a result of intelligent, methodical, and painstaking effort. The watchword of every successful grower is "Observe." He must watch, study, mark well the result of every experiment, ponder the relation between cause and effect; make sure that the impressions made are lasting; once interested to this extent work ceases to be a drudgery and becomes rather a fascinating pastime.

At this period where we are, as it were between seasons, we cannot give too much attention to the details of growing, the two most important of which are ventilating and watering. It is the custom on some medium large places to have one man do all the watering, another the ventilating, and still another the cutting of the flowers, but I do not consider this the ideal plan from any point of view; it has a tendency to reduce the men to mere machines; at certain hours of the day each man has more work than he can attend to properly, while at others he is idle; besides it divides responsibility and makes it difficult to fix the blame for any mistakes that may be made. If the flowers are not cut on time and go to waste the blame is shifted from the cutter to the man who manipulates the ventilators, and when a dose of mildew or black spot must be accounted for we are assured the house was chilled, and thus we continually have a conflict. Is it not much better for all to allow each or a certain number of men to take entire charge of as much glass as they are capable of managing properly (always, of course, subject to the supervision of foreman or employer); this plan is, I think calculated to develop the best there is in a man.

In regard to ventilating. A lazy man will not answer very well, he will want to save steps and make just as few rounds as possible; result, the plants will be too warm at 7:30 a. m., too cool at 8-30, too warm at 10, and too cool at 11, the same conditions prevailing in the afternoon, and he will wonder why they are all the time full of mildew. The natural and sensible thing is to begin to raise the sashes as soon as the temperature begins to rise in the house (say at 65° for all but Meteor) but not so high as to change the course of the mercury, when 70° is reached increase the amount of air, at 75° again increase, fixing 80° as the maximum. As the temperature falls the sashes should close in the same gradual way. I think the reason this work is not done thoroughly is on account of the labor it involves. A thermometer hanging in the sun is of no use, it should be incased in a neat wooden box and set in amongst the plants.

Watering. What do we understand by watering? Is it to simply take the hose at a certain hour every day and give the plants, something, for which I have no name: between a watering and a syringe? It is related of a florist of my acquaintance that in making his daily round with the hose he invariably came to a certain broad hard-leafed plant, the only one of its kind, at the same hour each day, and when his fellow workmen heard the water fall upon the leaves of this plant they knew just how far the day had progressed. Shall we water and syringe our roses in this automatic fashion? In order to have the watering done well the employer should furnish good hose and an adequate water pressure, after which whatever blame there is must attach to the workman. In the first place we need to discriminate between watering and syringing; because a house is well syringed it is not necessarily well watered, it may be desirable to syringe when it is obviously unwise to water, and vice versa; a make-believe syringe or a make-believe watering should not be tolerated, let us do it thoroughly or not at all. It is not necessary to water and syringe once every 24 hours, water only as the soil requires it, and at this season it should not be necessary to syringe oftener than four times a week.

Before starting out with the hose, which should be as early in the day as the temperature will permit (any point over 65° is always safe), we should go over all the benches, examine the soil and ascertain its exact state as regards moist-

ure, then as we come to the dry places we can water, passing over the remainder with a syringe only. It is seldom wise to syringe in the absence of sunshine. It doesn't speak well for a man's thoroughness and capability when the plants in the back rows, corners, and out of the way places are allowed to become breeding places for red spider. It doesn't make us feel any better to be told he hadn't discovered it; we can hardly help coming to the conclusion that the man either doesn't know how to syringe or else won't put himself to the necessary trouble. A bad dose of red spider makes trouble all round, it weakens the plant in the first place by robbing it of much of its foliage, and the extra syringing needed to remove the pest is almost certain to make the soil too wet and interfere with the root action. It is well to take the hose into the center paths and direct the water upon the plants from that point at least twice a week, and of course hose bibbs are needed there in addition to those in the other paths. Again let me say it is impossible to attach too much importance to the two items, watering and ventilating. ROB'T SIMPSON.

Grasshoppers on Roses.

I send a part of a rose stem with a disease that I have noticed for several years. It gives me practically no trouble, but I would like to know the name, cause and remedy. W. A. CHALFANT.
Missouri.

The stem was so completely dried up when I received it that it is difficult to tell what the trouble really is; I think, however, the brown places where the bark has been removed are the result of the bites of a grasshopper. I have often seen fine strong, fully matured bottom shoots cut almost through in half a dozen places. The only remedy is to catch them early in the morning when they are cold and sleepy. If W. A. C. is not satisfied with the conclusion arrived at I shall be pleased to have him send me a larger specimen wrapped in damp moss to keep it fresh, and I will report in the FLORIST later.
ROB'T SIMPSON.

Not Scale.

We enclose branch of Meteor rose planted in house five weeks ago. It is affected with some kind of scale or egg new to us, the only one we can find in the houses. Please tell us all you know about it. HAWKEYE.
Iowa.

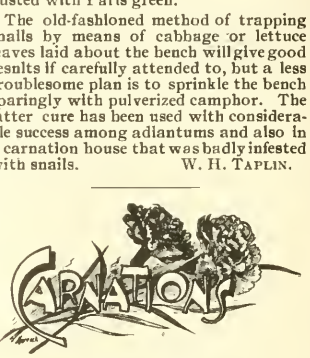
This is not scale; it is a cluster of eggs deposited by a grasshopper. This insect quite frequently chooses the stem of a rose as a nest for its larvæ, and has a peculiar habit of gumming them fast to the bark, where they remain until hatched out in the sun. It is just as well to cut off the shoots and destroy them, but if they remain they can do no serious injury.
ROB'T SIMPSON.

Sow Bugs and Snails.

What is the best method of keeping sow bugs and snails from adiantums on the bench? M. A.

The most effectual method to get rid of sow bugs or wood lice is by means of traps formed from potatoes cut in half longitudinally and a portion of the contents scooped out. These may be laid about the bench with the concave side down, forming a most attractive harbor for the bugs, and should be examined at least twice a day, when the bugs can be shaken out into a convenient vessel containing a small quantity of kerosene. This trap is still more effective if lightly dusted with Paris green.

The old-fashioned method of trapping snails by means of cabbage or lettuce leaves laid about the bench will give good results if carefully attended to, but a less troublesome plan is to sprinkle the bench sparingly with pulverized camphor. The latter cure has been used with considerable success among adiantums and also in a carnation house that was badly infested with snails. W. H. TAPLIN.



Carnation Notes.

The principle of a support once clearly understood the construction of the same may vary as the fancy and ingenuity of the constructor may lead him, but there is one serious obstacle in the way, and that is the cost. It is easy enough to plan an ideal support but the cost of its construction may make it an impossibility for general use. Adaptability must be combined with cheapness, and easy and quick adjustment, if a support is to become popular.

Of the wire ring supports that have come to my notice Mr. Horan's has some good points. It is easily adjusted and stands firm, otherwise I do not see any improvements, and the price it is sold at does not quite harmonize with the length of the purse the average florist possesses. True the service of these wire supports is not for only one season; they can be used again and again, and I admit they are well adapted for varieties with a bushy, short body, where support is needed only for the flower stems, but that these varieties are not always the most desirable I have mentioned before; and even varieties with such a habit, under the forced culture under glass often grow to a size for which the support is wholly inadequate, not to speak of the varieties with a spreading habit that generally grow to larger dimensions. We do not want to select the varieties to fit our supports we have on hand, we want to grow the varieties that are wanted in the market and bring the best prices irrespective of habit, and fit our supports to their habit. So in my opinion the cheapest and best support is the one that can be used advantageously for all types.

Looking at the matter from this standpoint I have not yet found anything better than what we use and what is known as the Dorner system. It is far from me to assert that this method is perfect, but it has been so far very satisfactory to me, especially in point of being adaptable to all varieties, and the quickness with which it can be adjusted. In regard to cost, we are still using the wire netting we began with and the wire above the netting is now being used for the fourth year, and it is good for as many years more. All we have had to buy was the cheap cotton twine that we use in the construction of the support for the flower stems. As to the results of our method, I believe we grow as good flowers as any. Our method has often been described in this paper, and I hardly think it necessary to repeat it again. FRED. DORNER.

Housing Carnations.

In housing carnations in the fall, should they be lifted with a ball of earth or should the soil be checked off the plants when moved from field to house?
Texas. O. O.

This depends altogether on circumstances. If the soil is heavy and compact so it will not break it is advisable to plant with a ball, as the breaking of all the hard soil will break too many roots. If the soil is sandy and loose, with the most careful lifting the ball will be broken; the ground may adhere to some extent, but the roots are loose and have to establish themselves again as well as when bedded in fresh soil. So under such circumstances it is better to shake the worn out soil off and give the plants the benefit of the fresh, more nutritious soil. If plants were planted out from pots there would always remain a little ball, and this insures more fine roots near the plant. If one has to transplant many thousands of plants, and probably has to bring them a distance, it is always cumbersome work to plant with a ball. FRED. DORNER.

Decorated Bicycle.

The accompanying engraving is from a photograph of the first prize ladies' bicycle at the floral fete in Saratoga, N. Y., September 7. It was trimmed in purple and white by Mr. Wm. H. Stoneman, of Albany, and was ridden by Mrs. F. H. Smith, of Saratoga. The flowers were asters, ferns and smilax being also used. The placing of same is plainly shown in the engraving.



Orchids, Their Collecting and Culture.

BY JOHN E. LAGER.

[Read before the New York Gardeners' Society October 9.]

Orchids, taking the word in a broad sense, are found nearly all over the world, but the homes of the most beautiful ones are, as we know, the tropics, where specially the epiphytes flourish in all their beauty and where they are found, if not in great quantities, at least in luxuriance.

The number of these plants has been greatly diminished the last few years, great quantities have been torn from their native homes and sent to various countries, but what has done more in South America to reduce their numbers are the continually increasing plantations. Great zones of forests have been cut down lately and extensive coffee plantations have taken their places. The cattleya region has suffered the most, it being the right elevation and temperature for the coffee tree, but other orchids have felt the change as well, such as the most useful odontoglots, etc.

Guided by the success I had on my first trip a few years ago, I last year made for the same old place, there only to find, not orchids, but the forests gone and coffee trees planted by the thousands. Orchid collecting being my sole object, I was



THE FIRST PRIZE LADIES' BICYCLE AT THE SARATOGA FLORAL FETE, SEPT. 7.

greatly disappointed, but there was only one remedy, and that was to push further in to uncivilized parts far from habitations; and I must say I was fortunately rewarded by finding a most beautiful lot of cattleyas, that, to judge by their appearance, had up to that date escaped the greed of the orchid hunter.

The South American Andes, as compared to other parts of the world, are, without the least doubt, the richest in useful species, as long as we keep to the Andes proper, which are marvelous in the number of species they contain. Almost every foot ascended from the foothills, new features of the vegetation are presented, one locally varying greatly from another. This variation ceases immediately at the foothills, below which extensive valleys and river basins take the place of the rugged Cordilleras. The vegetation at these lower levels becomes at once more uniform, and plants found in the Magdalena and Cauca valleys of Colombia will, to the surprise of the traveler, appear repeatedly all through the Orinoco and Amazon valleys also. Some orchids are also very erratic as to their abodes; Miltonia vexillaria appears in the state of Antioquia, Colombia, and then travels along the central Cordillera, a plant here and there, until all of a sudden we find it re-established in Equador and Peru. Cattleya superba is another, appearing in spots in Colombia, Venezuela, and Brazil, and especially in the immense territories and low virgin forests embraced between the Orinoco, the Amazon, and Rio Negro systems.

Few people here imagine, when seeing beautiful orchids in flower, how much trouble, work and hardship have to be endured in securing them. Inconveniences of all descriptions are experienced at once upon setting foot on South American soil. Here begins a series of the slow tedious transportations peculiar to these countries, ascending rivers sometimes by steamers, then by canoes, and traversing great stretches of land on mule and horseback, involving a lot of time and much expense before the longed-for orchid region is reached. Yet there is always a certain charm attached to this mode of traveling. I enjoyed nothing more than to traverse one of the chains of the Cordilleras, starting out at 3 or 4 o'clock in early morning in the bright moonlight, in order to avoid the heat of the valleys. Before the summit is reached the journey is hard, tiresome and monotonous and on roads or trails used by the Indians before the Spaniards, and which the latter used for three centuries without improvements or alteration. Leaving the tropical heat below, little by little, the air gradually changes and becomes fresh and pure, and the rich aroma which the varied vegetation exhales is rapidly inhaled by the lungs in delicious draughts. At last the summit is reached; the road is less hard for man and beast, and finally a most beautiful and varied panorama is offered to our view of immense extensions of mountains rising one above the other, and in all possible shapes and angles, with deep declivities, narrow valleys and roaring rivers. This beautiful scenery recompenses the traveler for the monotonous and tiresome ascent and stimulates him on towards new expected triumphs in his explorations.

Many persons imagine orchid gathering is an easy task and they generally think that the plants grow on the trees by the ton, and, consequently, it is the easiest thing in the world to pull them off, put them in cases and ship them home. On paper and from a point of imagination, this is all very fine; but in reality such persons would find themselves greatly disappointed. To begin with, these plants never occur in quantities even where most plentiful; only a few to a tree; while the greater part of the trees have none at all on them.

Material for packing cases is another serious item to obtain, so serious indeed, that often it is worse than getting the plants. Dry goods boxes are often bought long distances from the field of operations, taken apart, done up in bundles and transported on muleback to the place of packing. Sometimes this is impracticable, when other measures have to be resorted to, such as making crates out of bamboo and stakes, etc. Frequently the plants have to be packed in bags, strapped on to the mules and taken across narrow trails between rocks, stones and trees, wading rivers, etc., often to find the plants ground to pieces when the packing place is reached.

Another monstrous enemy will at times cross the collector's path in the shape of low water in the rivers. In this latter case he is left helpless until a freshet rushes down from the mountains. At the beginning of this year I came very near losing 100 cases of plants, already packed and piled up in tents on the river bank.

For three long weeks I laid there impatiently waiting for a chance to move them. This, of course, is not the rule, but will happen when least expected. Difficulties of this nature and many more are principally what makes orchid collecting both slow and expensive. Those huge snake and tiger stories of which, no doubt, you have heard, I have found in actual experience to be greatly exaggerated in connection with orchid collecting. Some persons have asked me. "Why don't you go down there and collect choice varieties only?" Yes, I would probably do so were it only possible, but owing to the peculiar conditions of the country, it is utterly impracticable. Now and then a good thing is found, not always through the skill of the collector, but more through chance.

Supposing that cattleyas are collected during their flowering season, owing to so many inconveiences, only a limited number of flowers is seen after they are gathered. A great number is torn off from the plants in felling the trees, and if a few are left they are liable to go also after carrying the plants in a bag for a few days. Then, in refusing plants out of flower, the men would soon refuse to collect, and without them the collector would have to leave the field without plants, probably a wiser man for the next trip.

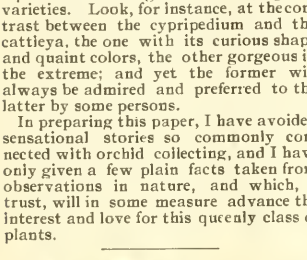
Studying these plants in their native homes, the true conditions under which they grow, in order to derive some practical knowledge as to their culture and

lessen the sensational absurdities and mysteries in which this beautiful class of plants have been enshrouded until not very long back, we are gradually discovering the mysteries in their treatment, which after all that has been said, written, and done, are only imaginary, and we can now note what a change has taken place the past few years in the cultivation of orchids. The water-can, with its sometimes tepid water, has given way to the hose; and the clumsy blinds have been replaced by some simple form of whitewash. The material for potting or fixing up is more sparingly used and less labor is spent on its preparation. Air is admitted in larger quantities, and the old system of closing up at a certain time has outlived its usefulness. In short, these plants are now treated on a more common-sense basis. These few things, simple as they may appear at first sight, have been strong levers in making orchids more popular in this country.

The cut flower business in the larger cities has done much to spread the popularity of these plants. In their seasons quantities of cut blooms may now be seen in the florists' windows and eventually find their way to the homes of the rich; and really what is more beautiful than a display of gorgeous cattleyas with their delicate shades of pink and white vying each other in beauty.

Orchids in general furnish a great deal of recreation to the amateur and to those who love and study them, and although some of these flowers are to all appearances far from beautiful, they still possess a something that will enable them to hold a place even among the most gorgeous varieties. Look, for instance, at the contrast between the cypripedium and the cattleya, the one with its curious shape and quaint colors, the other gorgeous in the extreme; and yet the former will always be admired and preferred to the latter by some persons.

In preparing this paper, I have avoided sensational stories so commonly connected with orchid collecting, and I have only given a few plain facts taken from observations in nature, and which, I trust, will in some measure advance the interest and love for this queenly class of plants.



Chrysanthemum Society of America.

The committees judging new seedlings will be in session October 16. 23 and November 6, 13, 20, 27. Exhibitors should make their entries (for which a fee of $2 is charged for each variety entered) to the secretary not later than Tuesday of the week the blooms are to be shown. Blooms forwarded to any of the following addresses, express prepaid, will receive careful consideration:

BOSTON.—A. H. Fewkes, Horticultural Hall.

NEW YORK.—Eugene Dailledouze, care of Dr. F. M. Hexamer, Madison Square Garden.

PHILADELPHIA.—Edwin Lonsdale, 1514 Chestnut street.

CINCINNATI.—R. Witterstaetter, corner 4th and Walnut streets.

CHICAGO.—W. N. Rudd, room 202, 185 Dearborn street.

SILVER CUP.

The Chrysanthemum Society's silver cup to be offered annually will be awarded to the best 6 varieties, 6 blooms each (36 blooms). The first cup will be competed for October 21. Competitors should forward their blooms, express prepaid, to Dr. F. M. Hexamer, Madison Square Garden, New York City. Open to all; no entry fee. Those desiring further particulars address ELMER D. SMITH, Sec'y, Adrian, Mich.

The silver cup offered this season by the Chrysanthemum Society of America, and to be competed for as above noted, is now on exhibition in the window of the Whitney Mfg. Co., silversmiths, corner of Broadway and 18th street, New York City, and will remain there till the day of the show.

Coming Exhibitions.

[*Secretaries are requested to supply any deficiencies in this list.*]

BOSTON, Nov. 2-5. Chrysanthemum show Massachusetts Hort. Society. Robert Manning, Sec'y, Horticultural Hall, Tremont St.

INDIANAPOLIS, Nov. 2-6. Chrysanthemum show and floral festival State Florists' Association of Indiana. R. A. McKeand, Sec'y. Garfield Park, Indianapolis.

GERMANTOWN, PA., Nov. 3-4. Fruit and flower show Germantown Hort. Society.

POUGHKEEPSIE, N. Y., Nov. 3-5. Fall exhibition Dutchess County Hort. Society. W. G. Gomersall, Sec'y, Fishkill-on-Hudson, N. Y.

FT. WAYNE, IND, Nov. 3-5. Flower show Northern Indiana Hort. Society. J. L. Hanna, Sec'y, 402 Broadway.

NEW BEDFORD, MASS., Nov. 4-6. Chrysanthemum show New Bedford Gardeners' and Florists' Club. A. J. Fish, Sec'y, 279 Palmer St.

ANDOVER, MASS., Nov. 5-6. Chrysanthemum show Florists and Gardeners of Andover.

SYRACUSE, N. Y., Nov. 9-11. Chrysanthemum show Central New York Hort. Society. D. Campbell, Sec'y, Thornden, Syracuse, N. Y.

MONTREAL, Nov. 9-11. Chrysanthemum show Montreal Gardeners' and Florists' Club. Secretary, 12 Brandon avenue.

PHILADELPHIA, Nov. 9-13. Chrysanthemum show Pennsylvania Hort. Society. David Rust, Sec'y, Horticultural Hall, Sta. A.

CHICAGO, Nov. 9-13. Fall exhibition Horticultural Society of Chicago. W. N. Rudd, Ass't Sec'y, room 202, 185 Dearborn St.

MILWAUKEE, WIS., Nov. 9-13. Chrysanthemum show Milwaukee Florists' Club. A. Klokner, manager, 930 Grand Ave.

GRAND RAPIDS, MICH., Nov. 10-12. Chrysanthemum show Grand Rapids Florists' Club. N. B. Stowe, Sec'y, Grandville, Mich.

WACO, TEX., Nov. 10-12. Chrysanthemum show Waco Floral Society. Mrs. M. B. Davis, Sec'y.

SPRINGFIELD, MASS., Nov. 10-12. Chrysanthemum show Hampden County Hort. Society. W. F. Gale, Sec'y, 331 Main street.

TORONTO, Nov. 10-13. Chrysanthemum show Toronto Gardeners' and Florists' Association. E. H. Carter, Sec'y, Riverdale Park, Toronto.

LOUISVILLE, KY., Nov. 10-13. Chrysanthemum show Kentucky Society of Florists. F. C. Haupt, Sec'y, 241 W. Jefferson St.

ST. LOUIS, Nov. 10-14. Chrysanthemum show St. Louis Florists' Club. Emil Schray, Sec'y, 4101 Pennsylvania Ave.

PROVIDENCE, R. I., Nov. 11-13. Chrysanthemum show Rhode Island Hort. Society. C. W. Smith, Sec'y, 61 Westminster street.

NEW YORK, Nov. 12-13. Exhibition New York Gardeners' Society. J. H. Troy, manager, 365 Fifth avenue.

CLEVELAND, Nov. 16-19. Chrysanthemum show Cleveland Florists' Club. G. A. Tilton, Sec'y, 85 Woodland Ave.

The Parma Violet.

Replying to the inquiry about the "Palma" violet, would say there is no violet by that name. Parma is probably what is meant, as I have seen this violet frequently misnamed.

Violets are classified in two sections in Europe. The first section is called the Northern or Russian and the second is the Southern or Parma violet of the French and Germans, and the Neapolitan of the English speaking peopies. The botanical name is Viola Parmensis odorata. They are called Parma violets on account of their growing spontaneously in the duchy of Parma, Italy. It was the only variety we had been growing in this country under the name Neapolitan violet before the advent of Marie Louise. Swanley White, R. Garrett, Mme. Millet, Excelsior and numerous other varieties are sports from Parmensis, consequently they are all Parma or Neapolitan violets.

Baltimore. JOHN COOK.

Toronto.

A HANDSOME DECORATION.—KILLING WOOD LICE.—MR. DUNLOP'S ROSES.—MEETING OF HORT. SOCIETY.—BULBS.—CHRYSANTHEMUMS SELLING WELL.

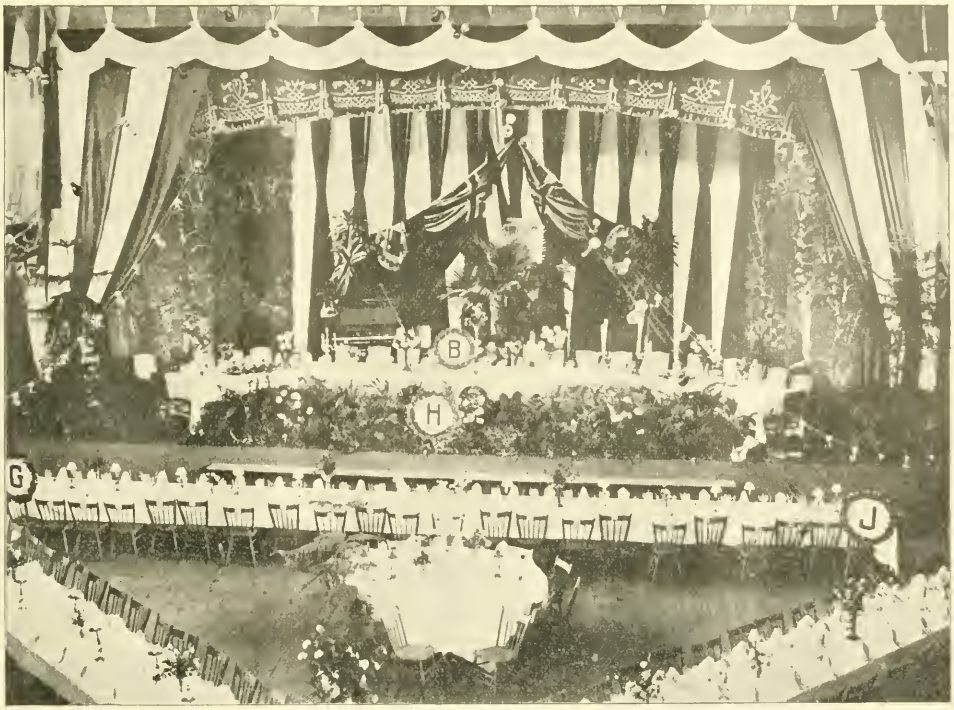
The following is a description of the decorations at the Horticultural Pavilion on the occasion of the banquet given by the Board of Trade in honor of Sir Wilfred Laurier, Premier of the Dominion. The decorations were probably more elaborate than have ever been attempted here before and elicited the highest commendation from every one who saw them. Mr. Charles Tidy (assisted by his brother Mr. W. Tidy and Mr. George Manton) was the artist.

Never has the Pavilion appeared attired in such radiant raiment as that in which it shone last night. The entire roof was canopied with red, white and blue, a huge circular rosette occupying the center, with broad panels of red leading to the center of the walls just below the upper line of windows. Between the panels of white was gracefully draped, at each corner, a lozenge of blue stood out in striking contrast to the white ground. From the middle of the central ornament a rope of tinted blue fabric depended, and from its end lines of wires bearing colored electric lights were led to the four corners of the building. The galleries were so profusely decorated that scarcely an inch of the woodwork remained visible. Below the canopy the walls were adorned with tastefully disposed fabrics of blue and white, over which large English ensigns were draped to pillars supporting the roof, while at intervals pairs of large tricolors projected forth their folds, being gracefully drawn back to the base of the staves. At the south gallery the red ensigns took the place of tricolors. The front of the first gallery was entirely covered with dark material, of an Oriental design, over which flags were arranged after the same manner as those adorning the upper part of the walls. The pillars were covered alternately with red, white and blue; a most artistic effect being produced by a profusion of autumn foliage, beneath which the covering material was almost hidden.

The tables, which were arranged after the pattern adopted at the banquet to the British Association, were perfect bowers of blooms and ferns. Great masses of roses, yellow, crimson, and pink, set in handsome vases, were placed at intervals, and between them the snowy damask was half covered with smilax and asparagus, amid which glowed the rich colors of numerous roses and carnations. Shaded candles and handsome lamps threw a soft light on the tables, which, thus adorned, and loaded with rich plate and glass, presented a most artistic appearance. Above the tables were hung small, circular discs, bearing letters for the guidance of the guests, and wreathed with autumn leaves. Round the spaces between the outer walls and the supporting pillars were strung colored electric globes, which added greatly to the beauty of the scene.

But of all the many beautiful features of the decorations the most beautiful was the stage, on which was set the guest table. The upper part of the proscenium was of white, with strips of blue bunting running vertically, and caught together hour-glass fashion in the center, while below was a festoon of red. The curtains from each side were of heavy blue and white, arranged in graceful folds. The back of the stage was adorned with the same blue and white design as the proscenium, in the centre being the Dominion coat-of-arms, flanked by two British flags, while a huge palm stood immediately behind the centre of the table, and above it was a panel of red, white and blue, bearing, outlined in colored globes, the initials of the Premier. The floral decorations of the guest table were exquisite, and consisted of large pink chrysanthemums and roses, with smilax and asparagus.

The most beautiful effect of all was that produced by the great bank of flowers which reached from the front of the stage to the level of the guest table, and consisted of palms, ferns, and chrysanthemums, while through the dark foliage which formed the background to the rich color of the blooms gleamed many electric lights of various colors. In the center of the Maltese cross formed by the central tables stood a tall pedestal, bearing a mighty palm, which was half visible in a shower of asparagus fern.



DECORATIONS AT THE BANQUET OF THE TORONTO BOARD OF TRADE.

The photograph of the stage end of the Pavilion was taken before Mr. Tidy had finished his work owing to the waning light.

In walking through his houses with a lantern in his hand the other night, Mr. J. H. Dunlop spied a cluster of wood lice on the floor; looking down at them more closely he found that they were greedily devouring some sulphur that had been spilt there. Being a thoughtful man and able to put two and two together he put sulphur and Paris green together with the result that many wood lice formerly enjoying the best of health are now cold, clammy corpses. They are getting all the food of this kind they can possibly desire now.

Mr. Dunlop has quite a stock of his improved Sunset but it is not now in crop, the few blooms to be seen, however, show that it is worthier of the name of Sunset than the original. White Bougere is in full crop and is a sight to behold. Carnots are looking strong and thrifty, Whitney likewise.

Mr. Houston lost the AMERICAN FLORIST from the first number, Nicholson's Dictionary of Gardening and other valuable horticultural works by the fire last week.

The regular meeting of the horticultural Society last Tuesday was very well attended and during the reading of the paper given by Mr. Hermann Simmers on "Bulbs, their indoor and outdoor culture;" every one appeared to be taking notes. No better man than Mr. Simmers could have been asked to give a paper on this subject; he is thoroughly practical and told the audience just what they wanted to know. Next meeting "Chrysanthemums" and "Wintering plants and roots" will be the subjects.

Chrysanthemums are coming in in quantity now and of very good quality and at present are going off at pretty good prices. We shall hear of nothing else now I suppose until after the show.

E.

Boston.

RECEPTION AND BANQUET TO JACKSON DAWSON. — A NOTABLE GATHERING.—BUSINESS QUIET —BULB DEMAND ACTIVE. —VISIT TO FRED MATHISON —A NEW WHOLESALER.—GALVIN'S OPENING.

The reception to Jackson Dawson at Horticultural Hall, although most informal and participated in by his intimate associates only, brought together forty of the leading gardeners and florists of the neighborhood and was in every way a splendid success. Representatives of three states were among the number and letters of congratulation were received from a score more. The long dining table was prettily decorated with flowers and green and the surroundings were home-like and eminently fitting for the occasion.

The event of the evening was Mr. Dawson's narration of some of his experiences on his recent European trip. The extent of territory and variety of places visited in the few weeks at his disposal seemed almost incredible, and it was truthfully remarked that there are few men would see as much, fewer still who could remember it all or describe it in such an interesting and instructive manner. He recalled the fact that he was a boy of but five years when he came here and it had been the dream of his life to return and see what they were doing on the other side of the Atlantic.

England, he said, appeared to him like one vast park. He missed our great forests and craggy hills but he was charmed by the way beautiful evergreens and other things grew there which we cannot touch in this climate. He noted that with the exception of those from California and similar localities our American shrubs did not seem to thrive at Kew. His story of his visits to the great commercial places in London and its environs was deeply interesting. The Hamburg exhibition did not come up to his expectations but he admitted that his visit was at a most unfavorable season. The floral design work seen there was inferior from an American standpoint.

Nowhere in Europe did he find any greenhouses to compare with our modern commercial houses nor any roses or tree carnations such as American markets afford. The hardy carnations in England, however, were grand. The fine old-fashioned gardens of Edinboro pleased him especially and at Perth the magnificent old specimen trees were a sight to behold. The surroundings of Cork and the Dublin parks were also among his pleasantest recollections and the absence of "Keep off the grass" signs was favorably commented upon.

Mr. Dawson talked for more than an hour and in addition to his horticultural reminiscences he related much that was entertaining regarding the Blarney Stone, the Queen's Jubilee and many historical

spots, not forgetting the Irish Sea which gave him his first and only touch of seasickness. He spoke in highest praise and appreciation of the great kindness which he received everywhere.

Many interesting remarks followed from the gentlemen present, the speakers being severally introduced by W. J. Stewart. John Galvin spoke most eloquently of the pleasure Mr. Dawson's talk had given him and in response to unanimous demand sang as he only can sing it, his great song, "Maloney don't know that McCarthy is dead." Judge Hoitt followed with a splendid address, speaking of the superiority of our own Arnold Arboretum and deplored the fact that it is not appreciated by the public as it should be. F. L. Harris' reminiscences of the Isle of Guernsey, Warren Ewell's graphic portrayal of how he would have managed the Irish Sea trouble, Carl Blomberg's words of hearty welcome, and Kenneth Finlayson's reference to Jackson Dawson as the Robert Burns of horticulture, were among the bright gems of the evening. M. H. Norton said he felt proud that Boston had such a worthy representative to send to Europe. Robert Farquhar, Lawrence Cotter and P. Welch all endorsed from personal observation, much of what Mr. Dawson had told of transatlantic horticultural progress. Messrs. Wm. Appleton and Jas. P. Dillon brought congratulations from Providence, Messrs. Pettigrew, Nicholson, Sander, Rose, Donald, E. M. Wood, J. A. Galvin and others added pleasant testimony and H. P. Kelsey, formerly of North Carolina, told how all through the south, Jackson Dawson is well known.

The cut flower trade is rather weak at present with supply somewhat in excess of the demand. Roses are much improved in quality. Chrysanthemums are rapidly increasing in number and improving in quality with prices lower. Few violets are seen in this market yet, those that are received being of fair quality for the season.

Dealers report a big sale for Von Sion narcissus. Roman hyacinths in special sizes are short and Dutch hyacinths are good property.

The garden committee of the Mass. Horticultural Society with a large number of other florists visited F. R. Mathison on Tuesday and were royally entertained by that gentleman.

Jas. A. Galvin will open a wholesale flower and supply store at 31 Hawley street.

Thos. F. Galvin expects to open his new Back Bay establishment on October 20.

New York.

CUT FLOWER TRADE LACKS ACTIVITY.—MEETING OF FLORISTS' CLUB.—PLANS FOR MEDAL AWARDS.—FIRE INSURANCE COMMITTEE TO MEET ON MONDAY, 18TH INST.—DEATH OF W. C. WILSON.—MEETING OF GARDENERS' SOCIETY.—PAPER BY MR LAGER.—PLANS FOR EXHIBITION AT NEW HOTEL ASTORIA.—DEATH OF DAUGHTER OF GEO. SYKES.—INSTITUTE FAIR.

The current week has been very discouraging to the cut flower dealers, so far. Summery weather has brought in an increased cut of roses and carnations, and chrysanthemums are already so abundant as to become unwieldy. Buyers have now begun to get critical, demand perfect flowers and refusing all that do not quite meet their exacting requirements, the price in the mean time tending rapidly downward. Good blooms do not bring on an average more than from one dollar to one and a half per dozen. While not to be compared to the heavy exhibition blooms offered later in the season these are really fine flowers, heavily foliaged and thick stemmed and with a good assortment of colors. American Beauty roses are much more plentiful than at any previous time this season, quality fair. Of the newer roses such as Morgan, Testout, Siebrecht and Carnot but few are seen, the great bulk of the rose stock consisting of Bride, Bridesmaid and Meteor. Carnations have declined nearly fifty per cent in price. Violets run poor, as a rule, one dollar per hundred being outside price for the few nice ones that are received, the ordinary grades bringing only half this figure. Cosmos is now abundant and sells well at 25 to 50 cents per hundred.

The meeting of the New York Florists' Club on Monday evening was not attended by a large number of members but it was one of the liveliest sessions of the year, the question of the disposition of that gold medal furnishing material for much vigorous discussion, and the various motions and parliamentary tangles giving President Henshaw about all he could manage. The final result of two hours' hot argument was the endorsement of the plan proposed in Mr. Manda's motion that the medal be given to "the exhibitor making the most points at one year's consecutive meetings of the club," and a vote instructing the exhibition committee to prepare and present at the next meeting a scale of points to be used in judging exhibits in the medal competition. D. Appleton & Co. requested that the club send them a photograph of its exhibit in the floricultural department of the World's Fair for use in illustrating a volume now being prepared on that subject and an affirmative vote was given. Mr. Esler announced that a meeting of the Fire Insurance Committee of the S. A. F. would be held in New York on Monday, October 18, and that if the trade wants to accomplish anything in this direction all proposed applications for insurance should be in the committee's hands by that date. A vote was passed appropriating a silver medal to be competed for at the November meeting of the club, twenty-five blooms of chrysanthemums in not less than five varieties being the object specified.

The veteran florist and plantsman, Wm. C. Wilson, died at Astoria, Long Island, on Saturday, October 9, after a painful sickness of several weeks. Mr. Wilson has been employed for some time past in the greenhouses of Herman Dreyer but failing health, the infirmities of age and the strain of misfortune prevented much activity. His end was peculiarly sad, for he died in poverty and most of the friends of his prosperous years had either died or forsaken him. A quarter of a century ago Wm. C. Wilson was known all over the country as one of the most promlnent growers of the day. His immense establishment at Astoria and his retail flower store on 14th street, New York City gave employment to many hands, and from those ranks have come many of the active florists of the present day. A kinder hearted man than Mr. Wilson is seldom found. His great weakness was his implicit, child like trust in his fellow man, and to this characteristic more than anything else was due the business reverses and consequent train of misfortunes which darkened and saddened the last few years of the poor old man's life. His funeral took place on Tuesday afternoon.

The New York Gardeners' Society held a meeting on Saturday evening, October 9, at which a large audience listened to an interesting lecture on orchid collecting by John E. Lager. Preliminary schedules for the coming exhibition were distributed. The show will be held in the hall of the new palatial hotel "The Astoria," on November 12–13, and the list of patronesses includes the names of fifty of New York's most noted society ladies. John Shore is chairman of the exhibition committee, J. I. Donlan, secretary and J. H. Troy, 365 Fifth avenue, is manager.

Miss Edith, daughter of George Sykes, died at Jersey City on October 6, after an illness of but twenty-four hours duration and just as an operation was going to be performed for peritonitis. The funeral services took place on Friday at 8 p. m.

The Institute Fair at Madison Square Garden is still in progress. There are groups of good plants from F. R. Pierson Co., J. M. Keller and J. E. Brown. A dish of Parker Earle strawberries from G. N. French is very tempting. A number of exhibitors make showy displays of garden flowers.

Edward Mitchell has been appointed park commissioner to fill out the unexpired term of the late W. A. Stiles, that is, till January 1, 1898.

Mrs. Ball has bought out the business of Miss Rose Harris at 1146 Broadway.

Visitors in town: J. F. Colwell of Buffalo Botanic Garden, A. M. Murdock, Pittsburg, Pa.; Samuel Goldring, Albany, N. Y.

Cleveland.

RAIN AT LAST.—CHRYSANTHEMUMS RELIEVE SHORTAGE.—NEW STORE OF SMITH & FETTERS.—CLUB MEETING.—DOWLERS ROLL NEXT MONDAY.

The long spell of dry weather has at last been broken by a very good rain. Many florists through lack of this have so far either only housed part of their carnations or have postponed the entire matter till now. Planting, however, will now be finished entirely except in a few cases where a crop of chrysanthemums must first be cleared away.

The latter are now coming in in fair quantities and greatly help in easing the demand for other flowers, which have heretofore been rather short in supply and not in any variety.

Smith & Fetters, formerly with J. M. Gasser, opened their new store on Euclid avenue last Thursday, October 7, with great eclat and the front door key. Many remembrances and congratulations were received by the new firm, not alone from the local fraternity, but from many out of town sources.

The store is beautiful in both finish and color, the latter being confined to white and gold, the ceiling being finished in a beautiful shade of green. The counters are marble topped and arranged about the walls. A pretty feature is an alcove tastily furnished and decorated for the convenience of patrons. The rear portion of the store room, separated from the front by a large and elaborate cooler, and used for working purposes, is so situated that goods can be received from the rear without intruding upon the sales space. The firm reports a very satisfactory business so far.

Chas. Erhardt, who had intended to move down in Euclid avenue, has determined to stay for the present at least in the quarters he has occupied for several years.

The first regular meeting of the club was held in the new location in Progress

Hall Monday evening, October 11. There was a good attendance and considerable business was transacted. A committee was appointed to make arrangements for the music for the chrysanthemum show in November. Next Monday evening, October 18, is bowlers' night. A.

Chicago.

CLUB MEETING.—PROGRAM FOR THE SEASON.—ELECTION NEXT MEETING.—FIRE INSURANCE.—NEW CHRYSANTHEMUM.—CARNATION ARGYLE.—CHRYSANTHEMUM SHOW.—HEAT HAS DEPRESSING EFFECT ON MARKET AND STOCK.—VISITORS.

At the meeting of the Florists' Club last Thursday evening a vigorous program for the winter season was inaugurated and much business disposed of. A committee consisting of Messrs. Edgar Sanders, C. W. Johnson and Joseph Reeve was appointed to prepare a program of essays and subjects for discussion for each of the meetings this winter. This will be acted upon at the next meeting and the program published, enabling each member to look ahead and arrange to certainly attend meetings at which subjects of special interest to him are to be touched upon. The president was instructed to appoint at his leisure a committee of five to act with the American Carnation Society in preparing for the reception of the society at the time of its convention to be held in this city next February.

The work of the S. A. F. fire insurance committee was discussed, but the owners of glass present did not seem to be very enthusiastic over mutual fire insurance. When the success of the Hail Association was cited it brought out from one speaker the remark that a hail storm could not be manufactured to order. Of course the inference was plain. There seemed so little faith in mutual fire insurance, though all agreed that the rates made by the regular companies were too high, that the discussion finally resulted in the appointment of a committee to visit the underwriters of this city and see if some benefit could not be secured by pooling the business of the members. It was thought that if a line of business amounting to a considerable sum was offered providing proper concessions were made, the agents would consider the matter of sufficient importance to take action. The time seemed a peculiarly favorable one to open the subject, as a rate war has been inaugurated and is apt to spread.

Amendments to the by-laws providing that in future the membership fee of $2 shall also pay the dues for the first six months, and that members who have been dropped for non-payment of dues be readmitted on the same terms as new members, were read, and action on same will be taken at the next meeting, at which will also be held the annual election of officers. Another attraction for next meeting will be a paper on the growing of chrysanthemums, by Mr. G. Stollery.

There were displayed at the meeting a half dozen magnificent blooms of Mr. W. N. Rudd's new light bronze chrysanthemum Mrs. Arthur Caton, a seedling grown by his foreman, Mr. C. W. Johnson. The color is very attractive, the incurved flowers of very large size for so early in the season, and stem and foliage were superb, the latter coming up very close to the flower. Stollery Bros. displayed a vase of their fine new pink carnation Argyle, a cross between McGowan and Tidal Wave. It is an excellent variety from every point of view and is sure to be popular when disseminated. The fragrance is peculiarly spicy and this is not the least of its attractions.

At the adjourned session two games were rolled. The old hands were found to be badly out of practice, while a dark horse, in the person of Mr. Hills, made the banner score of the evening, 205.

The judges for the chrysanthemum show have been selected, and are as follows: A. H. Fewkes, Newton Highlands, Mass.; E. A. Kimball, Chicago; Prof. L. R. Taft, Agricultural College, Mich. Mr. W. N. Rudd will be superintendent of the exhibition as in past years. Until a few days ago there was some doubt as to his being able to give it time this year, but the matter is now happily settled and the show will have the benefit of Mr. Rudd's ability and experience. Indications are excellent for an exhibition that will be an advance on any previous one. Arrangements are nearly perfected with a leading art club to give an exhibition in connection with the chrysanthemum show. Flowers, art and music is unquestionably a happy combination.

Bassett & Washburn are cutting some fine blooms from a house of their early white chrysanthemum Kate Washburn. Both flower, stem and foliage are very good.

The sudden change in temperature, from regulation fall weather to August heat, has had a somewhat depressing effect on the market. This is more especially true in regard to roses, considerable of the cut being nearly open. Kaiserin and Meteor requiring a higher temperature, did not suffer so much as Brides and Maids. Good teas are still held, however, at from $2 to $4. Chrysanthemums are selling at from one-half to two-thirds the price of former years. Instead of selling at from $3 to $4 a dozen, they only bring $1.50 to $2 for the largest, with medium flowers going at $1 and smaller flowers 75 cents.

Carnations are not of such good quality as last week, with demand about the same, prices 75 cents to $1 with a few fancies bringing $1.50.

Among recent visitors were Mr. Geo. Souster and wife of Elgin, Ill.

Philadelphia.

BETTER DEMAND ALL ROUND.—PRICES NOT MUCH CHANGED.—'MUMS FAIRLY ABUNDANT.—WHEN GREEK MEETS COLOR.—FLOOD OF COSMOS.

There is an appreciable increase in the volume of business and a much better demand for stock of all kinds. Good Beauties are selling very well and at advancing prices. The quality of all kinds of flowers is steadily improving, roses particularly being much better than a week ago. Prices are not much changed, but for extra stock a dollar or two more per hundred is asked. Two fifty to three dollars is now asked for the select Beauties per dozen. Choice teas bring $5 to $6 per 100; the majority of the stock, however, goes for $4. Carnations are much more plentiful and have improved in price; $1.25 is now asked for good flowers, a few specials bringing $1.50. White seem to be the most plentiful and sell at from 75 cents to $1.

The 'mums are now fairly abundant. Montmort is about done, being crowded out by better kinds. Glory of the Pacific is to be seen in good shape. Merry Monarch and Bergmann can be had in several grades, and Whilldin and Marion Henderson make a good golden contrast. Good flowers seem to be selling in the stores rather freely, and it looks as if the usual quantity will be needed to fill the demand this fall. Wholesale prices are from $1 to $2.50 per dozen, according to quality. A few potted chrysanthemums are about, mostly Bergmann and Glory of the Pacific.

There is a new fakir in town; a gentleman of the Greek persuasion has set up a case on Thirteenth street adjoining Chestnut, and has his best smile burnished up for business. It is not now when "Greek meets Greek," but when Greek meets color, for that is what this gentleman will have to contend with, nearly all of our sidewalk merchants being of African extraction, and not a few hustlers as well.

Cosmos has fairly flooded the market; it is to be seen everywhere and is of the finest quality, the season being very favorable for its blooming. Some of the growers are receiving a lot of Japanese longiflorums, which have arrived in fine condition and appear to be fine bulbs.

W. K. Harris is putting up small baskets of potting soil, nicely labeled, for sale in the stores. It is in convenient form and sells in limited quantities.

Hardy ivies are scarce, nobody seeming to have much of a stock on hand. Good plants generally sell well at this season, and some good grower should make a specialty of this plant. K.

Cincinnati.

SUNSHINE INCREASES SUPPLY.—MARKET TRADE DULL.—FIRST MONTHLY EXHIBITION.—CERTIFICATES AWARDED.—CLUB MEETING.

Bright sunshine the past week had a marked effect on the flower supply, and especially so on roses. Had it not been for several large fall openings, there would surely have been a glut in the market. The Sixth Street Flower Market was exceptionally dull last Saturday; there was absolutely nothing selling.

The first fall and monthly show was held October 9 at the club room. The display was not so large as the average but was satisfactory to begin with. The most conspicuous plant was a Nephrolepsis Bostoniensis from the City Greenhouses; the plant measured fully four feet in diameter and the fronds were five to six feet long; also two specimen plants of dendrobium and cattleya from the same greenhouses were very much admired. Three blooms of Yellow Queen chrysanthemum exhibited by the Hoffmeister Floral Co. were exceedingly fine for so early in the season. Mr. Gustave Adrian showed a white seedling carnation. Every one seemed to predict for it a grand future; it is a cross between Daybreak and Albertini, has that strong growth of Albertini and the free blooming habit of Daybreak; more will be heard from it this winter.

The judges awarded the following certificates: C. C. Murphy, Harrison's White carnation; George & Allen, lily of the valley; Sunderbruch's Sons, Daybreak, Morgan and Perle roses; Gustave Adrian seedling carnation; Theo. Bock, of Hamilton, Glory of the Pacific and Elvena chrysanthemums; Hoffmeister Floral Co.; Yellow Queen chrysanthemum, Am. Beauty, Brides, Bridesmaids and Meteor roses, and carnations Flora Hill, Scott and Alaska; City Greenhouses, Nephrolepsis Bostoniensis, Adiantums cuneatum and Farleyense, Dendrobium formosum, Cattleya labiata, Cannas Paul Marquant, Florence Vaughan and Queen Charlotte; John Freis, Ficus elastica; Chas. Pfeiffer, Cycas revoluta.

In the evening the regular monthly meeting was held and called to order by President Gillett. The meeting was poorly

attended, only eight members being present. It is to be hoped that our November meeting will be a record breaker, and Mr. Giesy, to whom was granted an extension of time to see the boys, will work hard to bring them together. Mr. Alb. Sunderbruch was elected a member.

H. SCHWARZ.

St. Louis.

TRADE STILL IMPROVING —PLENTY OF STOCK.—PRICES.—THE ANNUAL FAIR.—NEW ESTABLISHMENT.—DEATH OF MRS EGGELING.—TREE TO PLANT IN CITY HALL PARK.—MR JUENGEL BUILDS AN OFFICE.—BOWLING.

Trade in the cut flower line improves each week and there is plenty of stock to go around. A pleasant smile from everybody at the commission houses is an indication that business is good.

Chrysanthemums are coming in better each day. Mme. Bergmann, Kate Brown and Gloriosum were the first to come and found ready sale. Local growers are complaining that their stock is a little backward owing to the very warm and dry weather. Roses are in fair demand. Long Beauties have the call, price 15 to 25 cents each; shorts 5 and 8 cents. Meteors, Kaiserin, Brides and Carnots come next in demand, firsts bringing 5 and 6 cents, seconds 2 and 3. Bridesmaid, Perle and Wootton are plentiful and do not sell well. Bridesmaid is especially abundant; there seems to be an overproduction of this rose.

Carnations are plentiful now and some of them are very fine. The price has dropped to $1 per 100 for the very best. Rose Queen, Flora Hill, Scott and Daybreak are the best; the reds that come in are very small and poor. Violets are better; the small single sell well at 25 cents per 100. Some Californias are in, but very few, and bring 40 cents; the very dry weather has kept them back somewhat, but by next week we will have plenty again.

Cosmos is selling well this week and is also coming in better and with longer stems; price the same, 50 cents per 100. Valley is scarce and there is quite a good demand for it at $4 per 100. Smilax was plentiful a week ago, but now it seems scarce, and there is quite a demand for it, selling as high as 18 cents per string.

At the thirty-seventh annual fair held last week by the St. Louis Agricultural and Mechanical Association, C. Young & Sons Co. captured all the firsts on plants, Ellison & Tesson all the firsts on cut roses and table designs, C. Young & Sons Co. second. For the best funeral design C. Young & Sons Co. were first and Ellison & Tesson second. Mr. Max Herzog, of Gratiot Station, acted as judge. The fair was the most successful held in years.

The Maplewood Floral establishment at the junction of old and new Manchester roads have built two new houses, 72x20 and 50x20. Mr. W. Strezing and Wm. Bouche are the proprietors of this new place. Mr. Bouche had charge of the Missouri exhibit at the World's Fair.

Mrs. Matilda D. Eggeling, wife of the late E. G. Eggeling, the well-known Superintendent of Public Parks, died at her home, 1653 South Grand avenue. Mrs. Eggeling was in the cut flower business at the above number. The business will be continued by her son.

The park commission is puzz'ed as to the kind of tree to be used in the new City Hall Park. Mayor Ziegenheim favors soft maples but the objection is made to this that every storm breaks these trees and injures their symmetry. The elm has a furry leaf and catches the dust, therefore it is not available. Oak can not grow where there are paths and granitoid, as all its roots lie close to the surface, and so the park department is puzzled and wants suggestions from outside.

Chas. A. Juengel, of 1833 Linn street, has built an addition to his greenhouses in the shape of a handsome office. Charlie reports that he is now in good shape for a good season's trade.

The bowlers took advantage of the cool night and a full attendance was on hand. The boys rolled some great games. The three highest games were rolled by John W. Kunz, 579; C. Beyer second, 563; and Bencke third, 528. The high single score was by C. Beyer, 248; Kunz second, 216; and Weber and Helwig a tie for third place with 192 each. The last game we had five men on each side. Kunz's side rolled 876 and Beneke's side rolled 873. This is good rolling on regulation alleys. I am glad to note that Cleveland has fallen into line with a bowling club with regular weekly rolls, also Flatbush keeps it up; boys, the others will follow.

J. J. B.

Pittsburg.

BUSINESS IMPROVEMENT CONTINUES. — CHRYSANTHEMUM PRICES LOW. — CLUB MEETING.—TALK OF FLOWER SHOW —A HANDSOME DECORATION.—A SILVER WEDDING.

Business continues to show a little improvement from week to week. Several of the florists are fortunate enough to be able to report a busy week, mainly decorations and funeral work, with good orders for decorations this month already booked. The Horse Show which closed on Monday gave quite an impetus to trade as not only were the private boxes handsomely decorated, it being an essentially fashionable event, but the many social functions growing out of it, demanding the use of flowers and plants kept the florists tolerably busy.

Chrysanthemums are coming into market in good quantities now, but prices are very low for so early, 75 cents and up per dozen, wholesale, was the figure in the early part of the week. Dahlias are also on the market and find ready sale at fair prices. Cosmos, outdoor grown, is being offered of good quality and is a good seller. Messrs. Randolph & McClements are cutting very good chrysanthemums this week and report business brisk. They had several very extra decorations for the week with good orders ahead for the month.

Messrs. Elliott & Ulam also find trade very good. They are getting in from their greenhouses chrysanthemums that are A1 in quality as well as other stock. They report good orders for the month already booked and everything indicates a good fall business.

The Florists' Club have a meeting booked for the evening of the 14th, when the subject of holding a flower show will be discussed; judging from several expression of opinions, there will not be any held here. The park conservatories give too good ones all the time to hope for patronage enough to justify the florists in going to the expense and labor incident to getting up a flower show, is the consensus of opinions I have listened to.

Mr. Gus. Ludwig reports business improving. One of his recent dinner decorations was very handsome. The large dining room, finished in white was very beautifully decorated with autumn leaves ceiling and walls, the columns with asparagus and smilax, the table with flowers. The room is immense and the effect was grand.

Mr. C. Blind, a florist on Perrysville Road, will celebrate his silver wedding on the evening of the 14th; quite a large delegation of his brother florists will be in attendance and wish him many happy returns.

REGIA.

Worcester, Mass.

BUSINESS CONTINUES TO IMPROVE —FLOWERS PLENTIFUL —QUALITY IMPROVING — 'MUMS IN QUANTITY —GOOD WEDDING ORDERS.

Business continues to improve slowly, and with the advent of cold weather will probably settle down to something like the regular thing. Flowers are plentiful and improving in quality every day. Carnations are good, exceptionally so for this season of the year; though no disbudded blooms are coming in yet, we are getting good Daybreak, Scott, Alaska and Rose Queen, and a few fine Victors.

Chrysanthemums we have now in quantity. Mrs. Bergmann and Glory of the Pacific are very fine and were ready to cut October 5. A great improvement in the quality of roses is noticed and we will probably have an adequate supply, now that 'mums are in.

We are getting quite a lot of wedding trade, which seems to indicate that the people in general are anticipating better times. The first large wedding of the season, the Morgan-Sawyer wedding, brought out an elaborate decoration by Lange. Pink and white 'mums were used in quantity (Mrs. Bergmann and Glory of the Pacific being the varieties), and palms and Asparagus plumosus festooning were used lavishly; floral arches over the aisles were one of the prettiest features.

No violets are coming in to amount to anything. The weather has been too warm as yet to bloom violets. We have had but one black frost up to the present time, and the thermometer has stood at 60° all day (October 11) and it looks as if we were going to get a much needed rain.

A. H. L.

Washington, D C.

Mr. J. R. Freeman, representing the florists, called on Col. Bingham, Superintendent Public Buildings and Grounds, recently, stating their side of the controversy mentioned in the FLORIST a few weeks ago. Col. Bingham is reported to have listened attentively to all Mr. Freeman had to say and agreed with him on several propositions, but stated that he could not do otherwise than follow the custom of his predecessor. They are reported as having had a very pleasant conversation and Col. Bingham said that he had no feeling whatever in the matter, and was perfectly willing to discontinue the practice should he be ordered to do so by a superior officer.

At the next meeting of the florists measures will be decided upon to further the efforts to prevent Col. Bingham from giving away any cut flowers to senators or representatives in congress and other public men. The florists claim that although it is a custom that has long been followed, it is illegal and interferes with their business.

REYNOLDS.

DALTON, MASS.—J. R. Shields, formerly of Boston, is now in charge of Mrs. J. B. Crane's place. A fine range of conservatories is being erected here.

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Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

Florists' Fire Insurance.

The outlook for Florists' Mutual Insurance is much more encouraging this week than last. About $400,000 of business in all has been promised the committee, and if reports continue to come in as they have in the past few days, the association will be organized within six weeks. The cities are becoming interested and the matter is to be presented at the various Florists' Clubs, many prominent florists are pledging their hearty support.

Because the old-fashioned tumble down greenhouse was dangerous, the fire insurance companies had just cause to charge high rates, but upon well built greenhouses of modern construction the present rates are far too high. Florists are paying from two to five times as much insurance upon their greenhouses as on their dwellings and stables, while the risk upon the former, if constructed upon modern principles is little if any greater than on the latter. Relief is now in sight for the florists if they want it.

There is good reason to believe that a mutual association, conservatively managed and accepting no hazardous risks, can give perfect protection at one half existing rates.

Fire Insurance.

EDITOR AMERICAN FLORIST: With your permission I would like to answer the following pertinent question in your columns: "Why is it that fire insurance requires the guarantee of so much more business than did the Hail Association upon its organization?"

The Hail Association was fortunate enough to secure an amendment to the general insurance laws of New Jersey, which amendment did not require them to have any specific amount on deposit when commencing business.

With fire insurance there is no state where organization can be effected without at least $20,000 spot cash, consequently if florists want a fire insurance association of their own they have got to put down the "soap." JOHN G. ESLER.

Water Lily Blooms.

Mr. Tricker's answer to our query does not help us much. Last summer one of our prominent citizens died in Washington and among the floral designs was one containing water lilies. The lilies were apparently as fresh as when first put into the design and remained wide open while the roses and other flowers were very much wilted. Won't the Washington florists tell us how the water lily blooms were kept open? J.

HUNTINGDON, PA.—Howard L. Mitten was married at Hamilton, O., to Miss Nora M. Morton on October 6.

Wholesale Markets.

Cut Flowers.

	ST. LOUIS, Oct. 14.	
Roses, Beauties		15.00@25.00
" short	5.00@10.00	
" Meteors, Kaiserin	4.00@6.00	
" Brides, Maids	2.00@4.00	
" Mermets, La France	4.00@6.00	
" Perles, Wootton	1.00@2.00	
Carnations		1.00
Cosmos	.50@	.75
Valley		4.00
Violets single		.25
" California		.40
Tuberose stalks	5.00@8.00	
Chrysanthemums fancy	12.50@25.00	
" common	12.50@18.00	
Smilax	15.00@18.00	
Adiantum		1.00
Asparagus	25.00@50.00	

	CINCINNATI, Oct. 14.	
Roses, Beauty select		15.00
" medium	8.00@12.50	
" short	5.00@6.00	
" Brides, Bridesmaids, Perles	2.00@3.00	
" Meteors, Morgans	3.00@4.00	
Carnations	.75@	1.00
" fancy	1.00@1.50	
Valley	3.00@4.00	
Smilax	12.50@15.00	
Adiantums		1.00
Asparagus		50.00

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" Kaiserin	2.00@ 4.00
" Carnot	5.00
" Niphetos, Perle, Gontier	1.00
Carnations	.75@ 1.25
Valley	4.00
Cosmos	.25c per bunch
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Chrysanthemums extra	12.50@25.00
" medium	7.00@10 00
Adiantum	.50@ .75
Smilax	10.00@12 00
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We can fill all orders on short notice with all leading varieties of Roses and Carnations.

We ARE Headquarters for fine AMERICAN BEAUTIES

Give us a trial and convince yourself.

Salesroom, 51 Wabash Ave., CHICAGO.

Mention American Florist.

E. C. AMLING,

WHOLESALE

COMMISSION FLORIST,

88 WABASH AVENUE,

Consignments Solicited. **CHICAGO.**

Prompt attention to shipping orders.

HEADQUARTERS in Western New York. Try us.

ROSES, CARNATIONS, and ALL KINDS OF SEASONABLE FLOWERS IN STOCK.

WM. F. KASTING, Wholesale Commission Florist,

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Also Dealer in Florists' Supplies and Wire Designs.

BOUGAINVILLEAS.

Beautiful for "cutting" or pot sale.

Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests.

Send for "Comments and Facts."

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WHOLESALE DEALER IN CUT FLOWERS,
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SAMUEL S. PENNOCK, Wholesale Florist,
1612 & 1614 Barker Street, (Bet. Market and Chestnut), **PHILADELPHIA, PA.**
Fine stock of choice Beauties, Maids, Brides. Kaiserins, etc. now coming in, at bottom prices.

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EVERYTHING YOU WANT IN CUT FLOWERS
EDWARD REID,
Wholesale Florist,
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Loug Distance Phone. PHILADELPHIA, PA.
Mention American Florist when writing.

CONSIGN TO BUY FROM
M. A. HART,
Commission DEALER IN Cut Flowers,
113 WEST 30TH STREET,
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THE BEST MARKET IN NEW YORK.
Mention American Florist.

Wholesale Markets.

Cut Flowers.

	NEW YORK. Oct. 13.
Roses, Beauty, extra	10.00@25.00
" " medium	3.00@ 8.00
" " culls	.50@ 1.00
" Bride, Bridesmaid, Meteor	2.00@ 4.00
Carnations	.50@ 1.50
Valley	1.00@ 2.00
Violets	.50@ 1.00
Cosmos	.25@ .35
Chrysanthemums	6.00@25.00
Adiantum	.50@ .75
Smilax	6 00@10.00
Asparagus	40.00@50.00
	BOSTON. Oct. 13.
Roses, Beauties	6.00@25.00
" Gontier, Perle	1.00@ 2.00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
Carnations	1.00@ 2.00
Valley	3.00@ 4.00
Tuberoses	.50
Chrysanthemums	6.00@25.00
Adiantum	1.00
Smilax	10.00@12.00
Asparagus	50.00
	PHILADELPHIA. Oct. 13.
Roses, Beauties select	20.00
" " medium	12.00@16.00
" " short	6.00@ 8.00
" Brides, Maids	2.00@ 4.00
" Meteors, La France	2.00@ 3.00
Carnations	.75@ 1.25
Valley	3.00@ 4.00
Violets, double	.50@ .75
Smilax	10.00@20.00
Adiantum	.50@ .75
Asparagus	35.00@50.00

John I. Raynor,
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SPECIAL EXTRA STOCK OF
AM. BEAUTY, METEOR,
BRIDESMAID, BRIDE.

Record Breaking Carnations
ALL THE YEAR ROUND.

American Beauty
and all other choice Roses in unexcelled quality.
Carnations, Mignonette, Orchids and Valley.
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FLORIST,
39 West 28th Street, NEW YORK.
Roses shipped to all points. Price list on application.

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WHOLESALE • FLORIST.
Careful Shipping to all parts of the country. Price list on application.

CITY HALL CUT FLOWER MARKET,
9 Chapman Place, 15 Province Street, BOSTON, MASS.
WELCH BROS., PROPRIETORS.
Consignments from regular growers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.
THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

TRAENDLY & SCHENCK,
Wholesale Florists,
Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.
38 West 28th St., and Cut Flower Exchange,
Tel. 961 18th Street. NEW YORK CITY.

MISPLACED CONFIDENCE
is something the florist never suffers from, who places his **FLOWER ORDERS** with the old and reliable
J. K. ALLEN,
57 West 28th St., NEW YORK CITY.
Telephone 382 28th St.

JAMES M. KING
is completing additions which will make his store THREE TIMES AS LARGE as at present.
CUT FLOWERS, WHOLESALE.
Good Inducements to Good Growers.
49 WEST 29TH ST., NEW YORK.
TELEPHONE 1675 38th St.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE A. SUTHERLAND,
Cut Flowers AND Florists' Supplies
WHOLESALE.
67 Bromfield St., BOSTON, MASS.

Wholesale Florists
ALWAYS ON HAND: CARNATIONS, BRIDESMAIDS, BRIDES.
JOBBERS IN FLORIST'S SUPPLIES.
N. F. McCarthy & Co.
FLORISTS' VASES.
Horticultural Auctioneers.
84 HAWLEY STREET, - BOSTON.

Asparagus Plumosus Nanus.
Strings 10 to 12 feet long,
50 CENTS.
W. H. ELLIOTT, Brighton, Mass.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
Price list on application.

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50 W. 30th Street, NEW YORK.
Telephone 2778--38th Street.
BEST MARKET PRICES GUARANTEED.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

The Government Seed Order.

The government circular asking for bids on about 13 million packets of seeds has been the item of absorbing interest to the seed trade this week and a great amount of figuring has been done. The short time for preparing bids, about 8 days, has made quick work necessary and occasioned lively wiring and wire pulling. Fires have broken out in some congested localities but it is hardly believed that the same were occasioned by the overheated wires on the seed business.

The list contains this time rather more rare field seeds than before though still much too large a percentage of common varieties to benefit the seed trade by free distribution of the same. The flower seed list comprises about five per cent. of the order.

Rochester, N. Y.

Since writing last, another judgment for $2,373.63 was filed in the county clerk's office against Briggs Bros. & Co. In favor of R. J. Goodman Sons, New York custom agents. The New York firm held two notes against the seedsmen, one for $1,127.25 and the second for $1,101.48, both dated November 17, 1896 and due September 1, 1897. K.

THE NEW JERSEY SEED CO. has been succeeded by J. L. Schiller. The new firm is composed of J. L. Schiller and C. B. Knickman and has located at 404 E 34th street, New York City.

Rochester, N. Y.

TRADE CONTINUES ENCOURAGING —GOOD ROSES AND CARNATIONS SCARCE —EARLY CHRYSANTHEMUM. — PLANT TRADE INCREASING.

Trade continues to be rather encouraging. The better class of flowers are not overplenty, carnations especially continue scarce and first-class roses the same; there is plenty of second quality of the latter in the market but they move slowly. Chrysanthemums are coming now. Schlegel & Sons are the first in the city with their Florence Teall; it is a good sized white flower on stiff stem, resembling Bergmann but is earlier; they have been first with this variety for the last three years and they grow it well. Violets are still small; we had a few very warm days during the past week which seriously interfered with their size. Asters are getting scarce, excepting inferior stock.

The bulk of September trade this year compares very favorably with that of last year for the same month; so say several of our storemen.

Sharp frosts have damaged most of the outdoor stuff to such an extent that but little of it is of much value for the florist, though some second or third quality asters, dahlias, tuberoses, etc., are in the market yet. Gladiolus, anemones, montbretias, sweet peas and a lot of hardy stuff is still in good condition. Prices for the better class of flowers have not advanced materially, notwithstanding the increasing demand, but an upward tendency is noticeable on all well grown indoor stuff. Chrysanthemums are coming in more freely every day, Florence Teall, Mme. F. Bergmann, Merry Monarch, Marquis de Montmort are getting quite plenty; the yellows are scarce. No fancy prices are realized, but a few have been sold at from $2 to $3 per dozen. The quality of roses has improved lately and there is now a fair supply of them in the market. Carnations are not so scarce as they were a week ago, but violets are still small and rather rare. Smilax and adiantums are to be seen in quantity on very short notice, while but very little asparagus is in view this fall.

In the plant line, some well flowered cyclamens are offered and a few potted chrysanthemums can be seen in the store windows. The demand for ferns and palms is fairly good only; large plants do not sell readily this fall, it is the cheaper or smaller grades which go off first. Fern dishes are as much in vogue as ever and as a variety of small ferns are grown here in large quantities by several firms, no difficulty is experienced in satisfying the most fastidious customer. K.

CHAMPAIGN, ILL.—The Illinois University is building one new palm house 25x60 and 18 feet high, and one 50x20, in addition to the four houses now in use; cost of above to be $5,000; contract let to Lord & Burnham Co. R. Utenweiler is in charge of greenhouses and grounds.

AN UNUSUALLY favorable opportunity to secure an established business at a moderate price is offered enterprising men of small capital through the advertisement of Mr. C. S. Loder, 271 Broadway, New York, which appeared last week. Failing health of the owner is the only reason for selling. It will pay to investigate this.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—As fern grower or propagator. Address FARLEYENSE, care Am. Florist.

SITUATION WANTED—By young man of 19 to learn florist business, within 100 miles of New York City. Address Box 164, Goshen, N. Y.

SITUATION WANTED—As assistant in commercial or private place, single, age 25; good references. Address G J, care American Florist.

SITUATION WANTED—As fireman or assistant; 9 years' experience. Single. References given. Address FLORIST, 67 Bromfield St., Boston.

SITUATION WANTED—Man experienced in growing roses, palms and general greenhouse plants; age 25, married. Address R D, care Am. Florist.

SITUATION WANTED—By good grower of roses, carnations, etc.; 12 years' experience, best references. Address for particulars F, care Am. Florist.

SITUATION WANTED—By all-round florist; thirteen years' experience; roses, carnations, 'mums and violets a specialty; A1 reference. Address B, care American Florist.

SITUATION WANTED—By a young man with some experience in greenhouse work, wishes a good place with chance of advancement. Address ROSES care American Florist.

SITUATION WANTED—By a young man 28 years of age; sober and industrious. An all round man; 10 years experience. Good references Address PEAT, care American Florist.

SITUATION WANTED—By young man, age 25, in a private or commercial place; several years' experience; sober and reliable. Address W B, care Bridgeman's, 37 E. 19th St., New York City.

SITUATION WANTED—By young man in large place; 4 years' experience; would like chance of advancement. best references. Rose growing preferred. Address E B, care American Florist.

SITUATION WANTED—By first-class German florist, age 36, single; 22 years' experience in growing roses, carnations, 'mums, violets and general stock. Good references. Address KARL SCHULTZ, 124 Locust St., Galesburg, Ill.

SITUATION WANTED—By an all round florist and gardener, in a private or commercial place. A good filler of designs and decorator. American; middle aged. Can furnish first-class references. Address P. O. Box 62, Union City, Pa.

SITUATION WANTED—By an experienced single florist, as working foreman; is at present managing a business of over 6000 feet of glass (over 4 years in present place). Best of references. Address P L, care American Florist, Chicago.

SITUATION WANTED—By a thorough, competent and experienced young florist, with 15 years' experience. Positions will be exchanged if suitable, and the best possible references can be furnished. P. O. Box 76, Shousetown, Allegheny Co., Pa.

SITUATION WANTED—As foreman by a thoroughly competent practical man as grower for roses, carnations, 'mums, violets, and general cut flower grower; competent in all the different departments of the trade; able to prove what he pretends to be. Address FLORIST, care Mr. Vincent, McHenry St., Cincinnati, O.

SITUATION WANTED—As florist and gardener, private or commercial; good rose and cut flower grower; 20 years experience in the culture of all kinds of greenhouse plants, fruits and vegetables, cold graperies, mushrooms, etc., both in Europe and America; steady and trustworthy; good references. Address C M, Postoffice, Bridgeport, Conn.

WANTED—Assistant florist; must be sober, reliable good grower; state experience, wages expected, send references. I. L. PILLSBURY, Galesburg, Ill.

WANTED—A young man with some knowledge of greenhouse work. State wages wanted with board. Address COLE BROS., Box 577, Peoria, Ill.

WANTED—Thoroughly experienced maker up; only those who have worked in the finest stores need apply; good salary to right party. FLEISHMAN, 25th St. and Broadway, New York.

WANTED—At once, first-class gardener to take FULL CHARGE of greenhouses and cemetery work; best of references required; must speak German. Address KNICKMANN BROS., Box 23, Middle Village, New York.

WANTED—Florist, good man to take charge of small place; must understand the business thoroughly and also be able to hitch up horse and do a few chores. Either single man, whom I will pay from $20 to $25 per month and board and room, or married man whose wife can do general housework to which case I will pay the two from $30 to $35 per month, with board and room. State age, experience, etc. Address or call on J. P. ESCH, Huron, Ohio.

FOR SALE—Two greenhouses, heated with hot water; dwelling house attached. Address ILLINOIS, care American Florist.

FOR SALE—In Warren, R. I., 5 greenhouses, nice 6-room cottage, barn, sheds, shops, etc.; about 10 acres of good land; young orchard, shade trees and grapevines. Greenhouses and cottage heated with hot water. Windmill supplies water over the premises. Can be bought on easy terms. Apply to O. H. NYE, Warren, R. I.

A RARE OPPORTUNITY.

FOR SALE—Florist store on Broadway between 31st and 32d Sts. and opposite one of the most prominent hotels in New York. Weekly profits up to the present time $100. Rent very low. Will dispose of same very reasonably. Reasons for selling, other large business takes my entire time.

J. FLEISCHMAN, 25th St. & Broadway, New York.

FOR SALE.

Greenhouses in one of the best cities in Wisconsin. A good investment and a money maker for a hustler. Owner must retire on account of poor health.

For particulars write **ELLIS & POLLWORTH, Milwaukee, Wis.**

Wanted.

Resident traveler in western territory familiar with the Plant, Bulb and Seed trade. State particulars, experience and references.

HENRY A. DREER,
Lock Box 1618, **PHILADELPHIA.**

FOR SALE.

CARMODY'S CHAMPION BOILER.

A six-section hot water boiler in good order. Cost $150; will sell for $50 cash. Sold because out of business. Address

MISS NELIE BEVNETT,
810 22d Avenue, Meridian, Miss

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,
Lock Box 1528, **BOSTON, MASS.**
Correspondence solicited.

PALMS.

CHEAP.

Nice, bushy plants, grown for home trade.

LATANIA BORBONICA. Per 100

3-inch pots, showing character leaves..... $10.00
4-inch pots, 12 to 15 inches high..... 25.00

ARECA LUTESCENS.

3-inch pots..... $10.00
4 inch pots, 15 to 18 inches..... 25.00

PANDANUS UTILIS.

3-inch pots, nice bushy plants..... $10.00
3½-inch pots, nice bushy plants..... 15.00

FERNS Assorted.

2-inch pots..... $1.00

PANSY PLANTS.

Vaughan's International Mixture. By mail 65 cts. per 100; $3.00 per 1000 by express.

CASH WITH ORDER.

GROHMANN BROS.

317 Fitzhugh St., SAGINAW, E. S., MICH.

CYPERUS ALTERNIFOLIUS.

2½-inch pots . . . . 40 cts. per doz.; $2.50 per 100

GREVILLEA ROBUSTA.

2½-inch pots . . . . 40 cts. per doz; $2.50 per 100

ASPARAGUS TENUISSIMUS.

3-inch pots . . . 50 cts. per doz.; $3.50 per 100

CALIFORNIA VIOLETS.

Field grown . . . . . $4.00 per 100

CARNATIONS.

Mapledale (new)..... $8.00 per 100

Medium sized plants of the following standard varieties, $4.00 per 100: Portia Wm. Scott, Della Fox, The Stuart, and Tidal Wave.

NATHAN SMITH & SON, Adrian, Mich.

PALM Seed.

FRESH ON HAND

ALL SEASONABLE VARIETIES.
Prices for select seeds quoted on application.
J. L. SCHILLER,
404 E. 34th St., NEW YORK CITY.



PALMS AND FERNS.

The LARGEST STOCK west of New York.

GEO. WITTBOLD, 1708 N. Halsted St., CHICAGO

Mention American Florist.

Bulbs

Of any kind quoted f. o. b. at lowest rates, by

HULSEBOSCH BROS., Englewood, N. J.

ASPARAGUS PLUMOSUS PLANTS.

3-inch ..... $8.00 per hundred.
4-inch..... 10 00 per hundred.

FIELD-GROWN CARNATION PLANTS.

Portia, Hector, McGowan, T. Cartledge, Daybreak, Fisher, 4000 Alaska, $5.00 per 100. CASH WITH ORDER.

F. BURKI, Bellevue, Pa.

Headquarters for CHINESE SACRED LILIES.

One of the best selling bulbs for the retail counter.

STRICTLY CHOICE STOCK, lots of 120 at 4½ cts. each; $42 per 1000.
Write for prices on quantities.

LILY OF THE VALLEY.

A Specialty with us.

Qualities the best obtainable.

"London Market," the finest pips in existence for early forcing. Per 100 $1.65, 1000 $13.75, case of 2500 $33.75.

Premium, equal to "London Market" for late forcing. Per 100 $1.50, 1000 $12.25, case of 2500 $30.00.

International, a first-class Hamburg Pip. Per 100 $1.35, 1000 $10.00, case of 2500 $24.00.

WRITE FOR PRICES ON QUANTITIES.

A FULL LINE OF FALL BULBS

For Florists' Forcing now in Stock.

14 BARCLAY STREET, NEW YORK. VAUGHAN'S SEED STORE, 84 & 86 RANDOLPH STREET, CHICAGO.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

W. and D's. CELEBRATED "Sure Crop" Mushroom Spawn.

SPECIAL quotations to LARGE buyers.

ALL KINDS OF BULBS—Lilium Harrisii, Freesias, Roman Hyacinths, Narcissus, etc., etc. Special prices on application.

WEEBER & DON, Seed Merchants and Growers,
114 Chambers St., NEW YORK CITY.

Mention American Florist.

CLUCAS & BODDINGTON CO.

Importers and Exporters of

Seeds, Bulbs & Plants,

501 TO 503 W. 13TH ST.,
NEW YORK CITY.

Send for quotations on all Florists' Bulb Stock.

SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.

300,000 SMALL and LARGE FERNS

In variety; well grown; reasonable prices. Send stamps for samples.

COCOS WEDDELIANA, 2½-inch pots, at $6.00 per 100.

CARNATIONS from field. Victor, Daybreak, Scott, McGowan, K. Clover and Eldorado.

B. REDFIELD, Glenside, Pa.

COLLECTION OF PALMS. A BARGAIN.

2 Seaforthia elegans, 5-inch, at	$ .45	$ .90
2 Oreodoxa reg.a, 4-in cb, at.	.50	1.00
4 Latania borbonica, 4-inch, at.	.25	.50
2 Cocos plumosa 3 inch, at.	.50	1.00
4 Phœnix reclinata, 3-inch, at.	.10	.40
4 Latania borbonica, 3-inch, at.	.10	.40
2 Seaforthia elegans, 6 inch, at	.60	1.20
2 Rubber plants, 4-inch, at	.30	.60
2 Sword Ferns, 3 and 4-inch, at	.10	.20

Above collection of fine plants for $5.00.
Cash with order $6.20

WILLIAMS & SONS CO., Batavia, Ill.

Mention the American Florist when writing to advertisers on this page.

BOOK YOUR ORDERS NOW

for our "GET THERE" Brand

Xmas Holly and Bouquet Green.

We can take care of same to YOUR ADVANTAGE.

Car Load Palms

Which arrived a week ago are moving fast, but we still have a good assortment of

KENTIAS, LATANIAS, ARECAS, ETC., ETC.

Write for List of Sizes and Prices.

New Importation Fancy Baskets.

PALMS.

SEND FOR SIZES AND PRICES.

EDWIN LONSDALE,
CHESTNUT HILL, - PHILA., PA.

FERNS.

We make a Specialty of small Ferns for the Fall trade.

Write for special prices on large quantities. Order early.

JOHN SCOTT,
Keap Street Greenhouses, BROOKLYN, N. Y.

ROBERT CRAIG,

Roses, Palms,

AND

Novelties in Decorative Plants

MARKET AND 49TH STREETS,
PHILADELPHIA, PA.

HARDY Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA.

PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

BOUVARDIAS—Double pink and white, fine plants from open ground, $5.00 per 100.

CARNATIONS—Fine assortment, field-grown, $5.00 per 100.

SMILAX—Strong, 2½-inch, $2.50 per 100; $15.00 per 1000.

AMPELOPSIS VEITCHII—Strong plants from 4-inch pots, $6.00 per 100.
Send for Fall Trade List.

VICK & HILL CO., ROCHESTER, N. Y.

	Per 100
SMILAX—Strong 1 year	$1.50 and $2.50
CLEMATIS—Leading kinds for fall	
PÆONIAS—Herbaceous, choice asst.	8.00
NARCISSUS—Double and single Poets.	.75
RED JACKET COOSEBERRIES—Very low prices.	
DOWNING COOSEBERRIES—1 and 2 year.	
DAISIES—Snowflake and Snowdrift	2.00
H. P. ROSES—In assortment	10.00

F. A. BALLER, Bloomington, Ill.

CYCLAMEN GIGANTEUM.

3-inch pots . . . . $ .75 per doz.; $ 6.00 per 10
3½ inch pots . . . . 1.25 per doz.; 10.00 per 10
5-inch pots . . . . 2.25 per doz.; 20.00 per 10

Cash with the order please.

JNO. E. DIMWALT, Box 82, Carlisle, P.

Syracuse, N. Y.

NOTABLE HORICULTURAL FLOATS — NO CHANGE IN BUSINESS CONDITIONS.

The parade of the semi-centennial, or golden jubilee, as it was termed, of this city, which occurred October 12, was a very large and fine affair. The Central New York Horticultural Society's float was one of the best in line, being prettily decorated with evergreens, smilax, asparagus and flowers. In the front was an enormous golden cornucopia containing fine peaches and other choice round fruits, while the sides were banked with fine examples of other fruits, such as grapes, etc. In the center was a pyramid of exotic plants, at each end being a beautiful young lady appropriately dressed for the occasion, representing Pomona and Flora. The rear was filled with chrysanthemums, roses and baskets of flowers. A bench was presided over by John Huller, who it must be said acquitted himself in a very able manner as a workman, potting plants, propagating and so forth. A large placard announcing the coming chrysanthemum show was conspicuously displayed and was no doubt a good advertising medium, being viewed by many thousand people.

L. E. Marquisee had two floats in line, a large floral harp standing six feet high in one of them attracting much attention, the outline of which was splendidly kept. As the floats moved along geranium cuttings were potted and given away, and it is needless to say H. Bellamy had to keep up a Peter Henderson gait to supply the demand.

The condition of the flower market remains unchanged from last week.

ALPHA.

Cumminsville, O.

With characteristic push has Fred. S. Walz risen from the floods and frosts which did their best to extinguish him late in the spring; in this he acknowledges the efforts of some local craftsmen to assist in placing him again upon terra firma. To see the capital stock of chrysanthemums, though planted late, is very encouraging. He is as usual testing some promising seedlings; one is a white cross between Niveus and Queen, of medium height, stocky growth, foliage good; a yellow seedling on the order of Viviand Morel, an early bloomer, coming into second crop for Christmas and continuous until Easter, a capital variety to keep over; a yellow Mrs. H. Robinson, growth identical in every way with parent. Bertha Flight is a late creamy white but little known but well worth growing.

V. M. C.

NEW BEDFORD, MASS.—The New Bedford Gardeners' and Florists' Club will hold their annual chrysanthemum and general flower show on November 4, 5, 6, at Adelphi Rink.

CARNATIONS.

ROSE QUEEN, PORTIA. Fine, stocky, field-grown plants. $5.00 per 100.

SMILAX.

Three thousand Smilax, good, strong plants, in 2½-inch pots. $2 00 per 100.

GEO. SOUSTER, ELGIN, ILL.

ROSES. Extra fine stock, clean and healthy.

BRIDE and BRIDESMAID, from 2½-inch pots, $20.00 per 1000; $2.50 per 100.
BRIDE and BRIDESMAID, from 3½-inch pots, $35.00 per 1000; $4.00 per 100.
KAISERIN, $3.00 per 100.
SMILAX PLANTS, $1.50 per 100.
TERMS CASH.
NATIONAL PLANT CO., Dayton, O.

PALMS AND FERNS

Order Now Before Cold Weather.

Latania Borbonica,	Pandanus Veitchii,
Kentia Forsteriana,	" Utilis,
" Belmoreana,	Araucaria Excelsa,
Areca Lutescens,	Nephrolepis Bostoniensis,
Phoenix Reclinata,	" Cordata Comp.
Ficus Elastica,	Cycas,
Cocos Weddeliana,	Ferns in var. 2 1-2 & 3-in. pots.

SEND FOR OUR PRICE LIST.

BULBS. We still have a stock of *Hyacinths, Tulips, Harrisii, Longiflorums, Romans, etc.*

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Box 75. MILWAUKEE, WIS.

CARNATIONS. 50,000 strong and healthy field-grown CARNATIONS.

ROSE QUEEN, PORTIA,
TIDAL WAVE, CORSAIR,
NANCY HANKS, WM. SCOTT,
LIZZIE GILBERT, STORM KING.

$3.00 per 100; $25.00 per 1000. No order for less than 100 accepted.

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4 Acres Field-Grown Carnation Plants, 94,000.

Our carnations are grown with the greatest care, and are first-class plants. Free from disease. We pack light by our improved system of packing, by which we can send them to all parts of the United States and Canada in perfect condition.

CRIMSON SPORT — DELLA FOX — BUTTERCUP
$1.50 per dozen. $8.00 per hundred.
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$1.25 per dozen. $6 00 per hundred.
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$1.00 per dozen. $5.00 per hundred. $45 00 per thousand.

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40,000 FIELD-GROWN CARNATIONS.

CLEAN HEALTHY STOCK.

		100.	1000.
Daybreak	2d size.	$3.00	$25.00
Scott	1st "	5.00	40.00
"	2d "	3.00	25.00
McCowan	2d "	3.00	25.00
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Portia	1st "	5.00	40.00
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PORTIA.

We have about 5,000 extra fine large PORTIA.

100 California Violets $1 00 per hundred.

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Field Grown CARNATIONS

Good, healthy stock, $3 per 100. Cash with order.

1000 Craig,	1000 Goldfinch,
1500 Alaska,	1000 Rose Queen,
150 Peachblow,	500 Della Fox,
3000 Scotts,	500 Albertini,

3000 DRACAENA INDIVISA, price for 6 in. pots, $10 per 100.
5000 LATANIA BORBONICA, 4-inch pots, $15 per 100.
2000 FERNS—Nephrolepis exaltata, 3-inch pots, $10 per 100.
1000 Nephrolepis Bostoniensis, 3-inch pots, $12.00 per 100.
1000 Cordata compacta, 3 inch, $12.00 per 100. All very fine plants.

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MERRY MONARCH, 50 cts. per Dozen.

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VICTOR	per doz. $1.50;	per 100 $10
EMMA WOCHER	" 1.00;	" $8
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DELLA FOX, DAYBREAK, ELDORADO, IVORY, LIZZIE McCOWAN, MINNIE COOK, ROSE QUEEN, SILVER SPRAY, TIDAL WAVE, WM. SCOTT,	Per 100 $6.00	Per 1000 $50.00

Write for Special Price List on Palms and Ferns.

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	PER 100
STANDARD VARIETIES,	$5.00
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THE BEST YELLOW CARNATION.

Large, field-grown plants, in A No. 1 condition. Price, $4.00 per 100; $30.00 per 1000. Cash with order.

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FOR SALE.

Palms, all kinds and sizes **Ficus, Araucarias, Cyclamen, Primroses** and **Azalea indica** in any quantity; prices very low; quality A No. 1.

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THE BEST.

SEED, $1.25 per 1-4 ounce. PLANTS, $5.00 per 1000; 75c. per 100; 2,500 for $10.00.

SMILAX, fine plants at $1.25 per 100; $10.00 per 1000. Sample for 10 cts.

ALBERT M. HERR, Lancaster, Pa.

HERR'S

CARNATIONS

2000 McGOWAN,
1000 ARMAZINDY,
700 ABUNDANCE,
500 PORTIA,
300 ALASKA,
500 CARTLEDGE,

5c. EACH.

3000 TRIUMPH, the best pink in every particular I ever grew, at $7.50 per hundred.

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SUNDRIES

for Florists and Horticulturists have removed their extensive stocks to their

NEW STORE AND OFFICES AT
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Orders from the trade solicited.

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Wholesale Cut Flowers,

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CARNATIONS

1100 Rose Queen, and about **100 each of Scott, Tidal Wave, Nancy Hanks, Helen Kellar,** and **Dorner; $30.00 takes the lot,** about 1500 in all, or by the 100 $3 00.

A. G. PRINCE & CO.,
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H. P. ROSES for forcing.

Clematis, Rhododendrons, Magnolias, Hardy Azaleas, Tree Roses, Etc.

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ORCHIDS the Finest Stock in the World. ORCHIDS

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SANDER, ST. ALBANS, ENGLAND, and BRUGES, BELGIUM.
AGENT:
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CARNATIONS

Free from Disease. Field-grown.

ROSE QUEEN, SCOTT, IVORY, PIERSON.
Write for prices.

VIOLETS. 1,000 LADY CAMPBELL, field-grown, at a bargain.

CRABB & HUNTER, Grand Rapids, Mich.

PANSIES that PAY and PLEASE

Our strain of Select Giant Bugnot and best Novelties for large blooms and beautiful coloring are up to any other best. Robust field plants, 60c per 100; $4.00 per 1000. Large lots special price. SEED, 1-16 oz. 30c; 1 oz. $4.50.

Ceraniums, 50,000 under way; Coleus, Begonias, Petunias and Verbenas are Specialties.

D. K. HERR, Rider Ave., Lancaster, Pa.

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ROSES! ROSES! ROSES!

In order to make room for other stock, I offer 10,000 extra fine roses, clean and healthy at the following low price:

BRIDES and BRIDESMAIDS, from 2½-inch pots, $15.00 per 1000; $1.75 per 100.
PERLES, from 3-inch pots. . . . . $3.00 per 100.
METEORS, from 2½-inch pots . . . . $3.00 per 100.

TERMS CASH.

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Field HYDRANGEAS

1000 FINE STOCKY OTAKSA.
To be sold quick.

JOHN REIMELS,
WOODHAVEN, N. Y.
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MORELLO

Field-grown, at $1.50 per dozen; $10.00 per hundred.

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The Cottage Gardens,

QUEENS, L. I.

SPECIALTIES IN

CARNATIONS, CHRYSANTHEMUMS, CANNAS, GERANIUMS, DAHLIAS.

Send for our Price List. . . . . .

E. G. HILL & CO.,

Wholesale Florists

RICHMOND, INDIANA

PRIMROSES.

	Per 100
CHINESE PRIMROSES, 3-inch pots.	$2.50
CINERARIAS, ready Nov. 1st	2.50
CHRYSANTHEMUMS, 20 vars., 5-inch pots.,	8.00
PANSY PLANTS, ready Oct. 15th, 1000 $3.50,	.60

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, O.

STOCKY. FIELD-GROWN **CARNATIONS.**

New and standard vars., $5.00 per 100 and upward.

GEO. HANCOCK & SON, Grand Haven, Mich

When you write an advertiser please state that you saw the adv. in the FLORIST.

Saginaw, Mich.

Evidently the florists of this beautiful and enterprising city are fully determined to keep pace with the advent of better times, for improvements of various kinds and the building of additional houses seem to be the order of the day. A house covering 100x20, especially adapted for American Beauties, is a recent addition to Mr. Chas. Frueh's already extensive plant. The construction of all his houses, their general adaptability and manner of equipment mark them as models of their kind. Another recent improvement worthy of mention is the equipment of each of his 19 houses with modern ventilating apparatus.

Grohman Bros., the enterprising young florists, have spruced up things in fine shape. In addition to overhauling their entire plant, they have added a violet house covering 100x8, and have replaced their old boiler by one of a more modern design and of greater capacity. Grohman Bros. propose to do some hustling during the coming season, or to put it in their own words, "to make hay while the sun shines."

Wm. Roethke & Son were by no means slow in equipping their plant with many modern improvements. Their two new boilers, each of 125 horse-power, recently put in position, attracted my special attention and a few lines of description may be of interest. The boilers are of the high pressure sort, with flues and shells of the highest grade of steel and possessing all the desirable features of an ideal water tube boiler. Each has three series of banks of flues, three water shells and a steam drum. The flues are straight and somewhat staggered. The immense weight of the boilers necessitated supporting them on iron columns, independent of the brick foundation. This was also done with a view of allowing full opportunity for expansion and contraction. Its construction is such as to give perfect circulation and to ensure efficient steam generation. Every tube has a separate outlet, and owing to the arrangement of the tubes and baffle plates, there is a large draught area, which insures complete combustion of gases and to some extent economy in fuel. Another feature worthy of mention is the fact of the boilers being practically self-cleaning, all impurities being deposited where they can be easily blown off with surface blower. There are numerous doors in the masonry and a man hole in each shell, so that, if necessary, all parts of the boiler can become easily accessible.

Taken all in all, Messrs. Roethke & Son's plant, covering about 50,000 feet, underwent many extensive as well as expensive improvements.

A visit to Mr. J. B. Goetz's place is one of those treats which your correspondent never misses. As usual, I found Mr. Goetz quite busy and in the best of humor. Things, though still somewhat slow, are moving along nevertheless, while the outlook is decidedly encouraging. As a grower of roses and carnations, Mr. Goetz is pre-eminently successful, his young stock looking fine, healthy and well grown. Nor are his violets to be found fault with, the young plants showing up in fine shape and free from spots and disease.

Mr. Goetz is experimenting on a house of cyclamens and dracænas and from present indications both will command a ready market. HOMO.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

ATTENTION EVERYBODY

The Sensational Carnation of the year — PER 100

FLORA HILL, nice, clean, field-grown plants $10.00

ARMAZINDY, SPLENDID PLANTS, 8.00

TRIUMPH, FINEST PINK, 8.00

CYCLAMENS Magnificent plants grown from the finest English prize flowered strains We have used this particular strain for years, and it has pleased thousands of our customers. Strong, clean, well furnished plants, from 4 inch pots, **$10.00 per 100.**

E. G. HILL & CO., Richmond, Ind.

ORNAMENTAL TREES AND SHRUBS.

Roses, Bulbs and Hardy Perennials

In Large Assortment and of Superior Quality.

Fully believe that we can show more Ornamental Trees and Shrubs, and a larger, finer block of Hardy Roses, Hybrid Perpetual Moss and Climbers of the leading popular varieties including the famous Crimson Rambler than can be seen elsewhere. We have 32 greenhouses, several of them devoted to Palms, Cycas, Ficus and Araucaria Excelsa. Personal inspection and correspondence solicited. Catalogue free.

THE STORRS & HARRISON CO., Box 5 Painesville, O.

Mention American Florist.

Pansy and Geranium PLANTS.

PANSIES—Giant flowering, transplanted; no spindly plants, 50c per 100; $4 per 1000

NEW GERANIUMS—That cost this spring $25 per 100; 6000 now ready, in 20 choice varieties, named, 2-inch, $3 per 100.

NEW VELVET PLANT—A big seller, 3-inch 50c per dozen.

THE MORRIS FLORAL CO., Morris, Ill.

Pansies Worth Raising.

STRONG PLANTS, ready now, $4.00 per 1000, f. o. b. express here.

SEED, as usual.

CASH WITH ORDER.

C. SOLTAU & CO., 199 Grant Ave., JERSEY CITY, N. J.

PANSIES.

ROEMER'S SUPERB PRIZE PANSIES.

PLANTS, strong and bushy, 65 cts. per 100, by mail. By express..... $2.00 per 500. By express.....$4.00 per 1000. Cash with order.

PETER BROWN, Lancaster, Pa.

IT'S A MISTAKE

TO THINK

"ANY OLD THING"

will answer for a Refrigerator to keep flowers in. Those up-to-date are made by the

Chocolate Cooler Co., Grand Rapids, Mich.

SEND FOR CATALOGUE.

John Conley & Son,

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET, New York.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

JAPANESE NURSERIES,

Importers, Exporters and Growers of PLANTS, BULBS, SEEDS, Etc.

ESPECIALLY

LILY BULBS, CYCAS REVOLUTA, MAPLES, IRIS, TREE PAEONY.

Our stock is the best, at the lowest prices, and we test everything at our experimental garden on Columbia street, Dorchester, Mass.

Wholesale Price List to the trade only.

Branch of YAMANAKA, AMANO & CO.

272 Boylston St., BOSTON, MASS.

Mention American Florist

PANSIES. 500,000 NOW READY.

THE JENNINGS STRAIN. FIRST-CLASS IN EVERY RESPECT, and the LEADING STRAIN TO DATE.

BUFFALO, N. Y., June 8th, 1897.

MR. E. B. JENNINGS Dear Sir:—The Pansy Seed supplied by you last August produced the finest lot of flowers I have ever seen. They were uniformly first-class. Send me one ounce of your best mixed as soon as ready. Respectfully, WM. SCOTT.

100 by mail 75c; 1000 by express $4; 5000 $18. Seed of the above strains $1 per pkt.; $6 per oz.; $3 per ½ oz.

CARNATIONS—Fine, stocky field-grown plants, leading sorts, $5.00 per 100. Cash with order. E. B. JENNINGS, Lock Box 254. Southport, Conn. Grower of the finest Pansies.

WINTZER'S

New Pedigree Cannas.

MAIDENS BLUSH, undoubtedly the best pink Canna yet introduced.

PHILADELPHIA—The finest crimson.

ALSACE—Nearest pure white. And many other choice new kinds of our own introduction.

Write for special list. THE CONARD & JONES CO. West Grove, Pa.

FIELD-GROWN

Carnations and Roses

IN FINE CONDITION.

1000 Wm. Scott, 500 Uncle John and 200 Mme. Albertini, at 4c. Clean as a whistle. No rust.

Also 400 field-grown Roses, 15 to 20 inches, at 5c. Bride, Bridesmaid, La France, K. A. Victoria, and White La France.

JOY & SON, Nashville, Tenn.

VIOLETS.

MARIE LOUISE, LADY CAMPBELL, SWANLEY WHITE.

Healthy, field-grown, $3.00 per 100, to close out.

L. E. MARQUISEE, Syracuse, N. Y.

PRIMULA CHINENSIS, 2-inch pots ..... $2.50 per 100, $20.00 per 1000
PRIMULA, transplanted seedlings, from flats $1.50 per 100.
FERNS, 3-inch pots.....$5.00 per 100
CARNATIONS. Field grown Lizzie McGowan and Scott. Write for prices.
VIOLETS. Marie Louise, strong field grown. Write for prices
HYDRANGEA HORTENSIS, rooted cuttings.....$2 00 per 100
SWAINSONA.....$2.00 per 100
ABUTILON Souvenir du Bonn and Golden Fleece...$3 00 per 100
GERANIUMS. Rooted cuttings.... $1.50 per 100 $12 00 per 1000

C. LENGENFELDER.
Lincoln and Berteau Avenues, CHICAGO.

FOR THE FALL SEASON.
PALMS
FLOWERING PLANTS
See **A. SCHULTHEIS,** College Point, N. Y.
P. O. Box 78. Telephone Call 51 F.
Take North Side Division L. I. R. R. or Trolley.
Kentias, Areca lutescens, Latania borbonica, Phœnix, Pandanus utilis, Ficus elastica, Cocos Weddeliana, Araucaria excelsa, Cyclamen persicum. Ericas our specialty. Chrysanthemums in pots. Azaleas.
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THERMOSTAT OR TELL TALE
is just what every florist should have. They are perfectly reliable, and can be adjusted to ring a bell at any desired temperature. If you do not keep a night fireman place the Thermostat in the greenhouse the bell in your sleeping room, it will save its cost many times in one season. Read article on first page of AM. FLORIST, Oct. 9, '97. *Price $3.50.*
J. W. DAVIS, - DIXON, ILL.

PANDANUS VEITCHII
CLEAN, HEALTHY PLANTS.
5-inch pots . . . . . $ .75 each; $9 00 per dozen
6-inch pots . . . . . 1.00 " 12.00 "
7-inch pots . . . . . 1.50 " 18.00 "
Also specimen plants in larger pots.
Please remit when ordering.
JOHN WELSH YOUNG, Germantown, Pa.

We are now Booking Orders for that Peerless New Yellow DAHLIA
Clifford W. Bruton.
It is an early and profuse bloomer, while the flowers are of immense size and grow on very long stems. Address
W. P. PEACOCK, ATCO, N. J.

California Violets.
To close out, we offer strong, field-grown plants of this fine variety, clean and healthy, at **$4.00 per 100.**
L. L. MAY & CO., St. Paul, Minn.

GOOSEBERRIES HOUGHTON, extra fine 2 yr. plants, $1.20 per 100. Extra 1 year at 80c per 100. SMITH'S IMPROVED, extra fine 2 year, $2 per 100. Extra 1 year, $1.50 per 100. CURRANTS—Fay's Prolific Cherry, White Grape, Lee's Prolific, extra fine 2 year, $1.70 per 100; 1 year selected, $1.00 per 100. By the 1000 same rate. CLEMATIS VIRGINIANA—American White, sweet-scented, 2 year, fine, 5c. Price advanced soon as surplus stock is sold. Packing free.
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New York Long Distance Telephone 1742--38. New Rochelle Long Distance Telephone 151.
The largest and finest stock in America. Now is the time to order and have your stock shipped by freight before cold weather and save expressage.
TWO WEEKS. "SPECIAL OFFER" FOR TWO WEEKS.
A Few Specialties:
ARECA LUTESCENS, 5-in. pots, 15–18 in. high, 7–8 in. pots, 8 ft.
COCOS WEDDELIANA, 2½ to 5-inch pots. Beautiful stock.
LATANIA BORBONICA, in all sizes.
KENTIA BELMOREANA, finest stock ever offered, in all sizes.
PHŒNIX Reclinata, Rupicola, Canariensis, different sizes.
DRACÆNAS, 10 vars., colored and coloring.
DRACÆNA canes, grand lot in fine shape, 13 varieties. (Last offer)
FICUS ELASTICA, 10,000 beautiful plants, 50c and 75c each.
FERNS—Nephrolepis cordata compacta. The finest in the country.
Nephrolepis dav. furcans, grand stock (two houses).
Nephrolepis Bostoniensis. Ferns for jardinieres, in 6 varieties, 2¼-inch pots.
If you are in the market to buy and get the finest stock, give us a call. Home-grown and cool grown stock. Write for prices.
Write, Telegraph or Telephone, and our carriage will meet you.
SIEBRECHT & SON, New Rochelle, N. Y.

PALMS!
Areca lutescens, Latania borbonica, Kentias, Cocos Weddeliana, Etc.
HARDY, HOME-GROWN, PERFECT PLANTS, LARGE STOCK OF ALL SIZES.
CALL AND SEE THEM. They will BEAR INSPECTION.
Wholesale List on application.
JOSEPH HEACOCK, Wyncote, Pa.
Mention American Florist.

"JADOO"
FIBRE. Every plant grown in it, thrives without earth.
LIQUID. The best, safest and cheapest Fertilizer sold.
U. S. Patent & Trade Mark.
THE AMERICAN JADOO CO.
815 Fairmount Ave.,
PHILADELPHIA, PA.

Field-Grown Violets.
$3.50 per 100; $30.00 per 1000.
MARIE LOUISE, large, and NOT A SPOT. Have never been troubled with disease in this section 2nd size $2 50 per 100; $18 00 per 1000.
SMILAX, 2½-inch, once cut back, $1.25 per 100; $10.00 per 1000. Samples by mail 10c.
2% Cash or good references with order please. Write for special price on large lots.
R. KILBOURN, Clinton, N. Y.

2c. CINERARIAS. 2c.
We have a large stock of the choicest strain of Dwarf, Large-Flowering Cinerarias, which we put at this low figure.
2¼-in., ready to shift, $2 per 100; $15 per 1000.
500 at 1000 rate. Extra plants added.
WHITTON & SONS, Wholesale Florists,
City and Green Streets, UTICA, N. Y.

HIGH GRADE BOILERS.
STEAM AND HOT WATER
FOR GREENHOUSE WORK.
Write for catalogue and prices.
GIBLIN & CO., Utica, N. Y.

LUCAS PAINT
THE BEST FOR
PRESERVING & BEAUTIFYING
NO WATER NO BENZINE
BUT PURE OIL AND
PERMANENT PIGMENT

Northampton, Mass.

The season may be said to have fairly opened and all are looking forward to a good winter. There has been a fair demand for roses and carnations during the last week with supply ample.

Carnations are looking very well considering the wet summer and give promise of good crops to come. 'Mums are looking better than in any previous season and have been planted in larger quantity.

There has been considerable call for palms, ferns and rubbers of the smaller sizes and good clean stock has been picked up quite rapidly.

A visit to the private place of Mr. E. H. R. Lyman, where Donald McGregor holds sway, found everything in first-class shape as usual. Some tuberous begonias of Donald's own strain were grand and show what careful selection and hybridizing can accomplish. November 4, 5 and 6 are the dates set for the third chrysanthemum exhibition of the Hortlcultural Society which bids fair to surpass all previous efforts. G. W. THORNILEY.

Greenhouse Building.

Kennett Square, Pa.—Isaac Larkin, five carnation houses; Harvey & MacDonald, ten commercial houses.

Greenfield, Mass.—Wm. Kennedy, two commercial houses, each 64 feet in length.

Doylestown, Pa.—E. D. Darlington, one commercial house.

Malden, Mass.—J. J. McCormack, one commercial house.

Marlboro, Mass.—Clinton Howe, one greenhouse.

Milford, Conn.—Merritt Merwin, one greenhouse.

Flatbush, N. Y.—B. F. Stephens, one conservatory 16x29; Chas. Zeller & Sons one commercial house, 30½x100; Dailledouze Bros, one carnation house 20x200; Geo. Zeiner, Sr., one commercial house 20x140; D. Y. Mellis, one commercial house 20x150.

Elwood, Ct.—W. L. Andrews, one greenhouse.

Prospect Park, Pa.—Julius Smith, one greenhouse.

Oxford, Pa.—Oscar Passmore, four greenhouses.

Stockbridge, Mass.—Mrs. John Swann, one conservatory.

Chatham, Pa.—James Wiley, four greenhouses.

Westbrook, Me.—B. D. Elwell, one conservatory.

Woodside, N. Y.—R. Dreyer, two commercial houses, each 20x125

Woodridge, N. J.—Paul Fisher, two carnation houses, each 16x150.

Dalton, Mass.—Messrs. J. B. Crane, a range of plant houses and graperies.

MALDEN, MASS.—Mr. E. D. Kaulback has purchased the greenhouses of E. S. Mansel, of Lynn, and will add them to his establishment on Wentworth street.

FLOWER POTS.

We Manufacture all kinds of Flower Pots, etc. Making a Specialty of

Florist Standard Pots

Send for price list and samples (which will be sent free and we know you will give us your order:

J. G. SWAHN'S SONS, P. O. Box 78. Minneapolis, Minn.



GEO. KELLER & SON,

MANUFACTURERS OF

Flower Pots.

Before buying write for prices.

361-363 Herndon Street, near Wrightwood Ave.,

CHICAGO, ILL.

STANDARD FLOWER POTS.

Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.

A FULL LINE OF BULB PANS.

THE WHILLDIN POTTERY COMPANY, 713 to 719 Wharton Street, Philadelphia, Pa.

BRANCH WAREHOUSES: { Kearney and Westside Aves., Jersey City, N. J. Jackson Ave. and Pearson St., Long Island City, N. Y.

STANDARD FLOWER POTS.

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.

A. H. HEWS & CO., N. Cambridge, Mass.

SYRACUSE POTTERY CO.

Manufacturers of

FLOWER POTS, BULB PANS, HANGING BASKETS AND SAUCERS

OUR Flower Pots are standard measure and all first-class and we assure you they will give good satisfaction. We call your attention to our new pots, 6, 7, 8 and 9-inch, called the "Poro Pot" They are more Porous than any pots, smoother inside and outside, perfect drainage, and are easily washed and cleaned. Give them a trial and you will not want any other. Remember, these Pots are as cheap as any other Pot on the market. Write for price list.

SYRACUSE POTTERY CO., SYRACUSE, N. Y.

DON'T SYRINGE WITH COLD WATER

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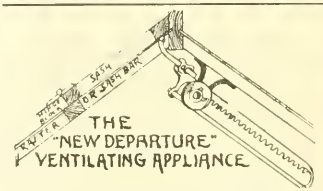
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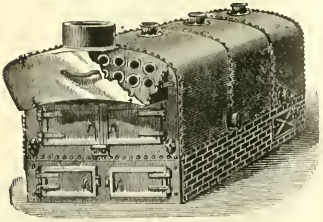
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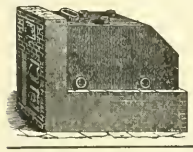
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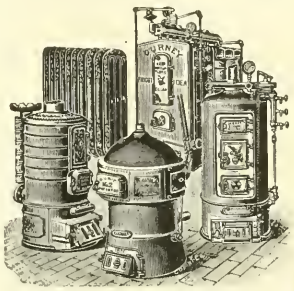
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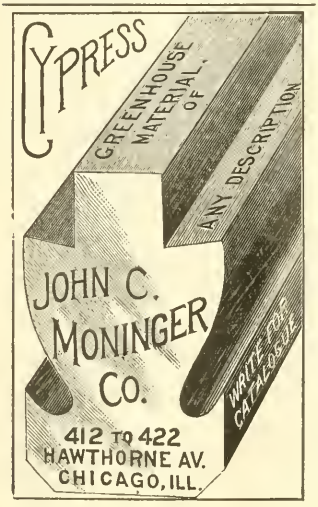
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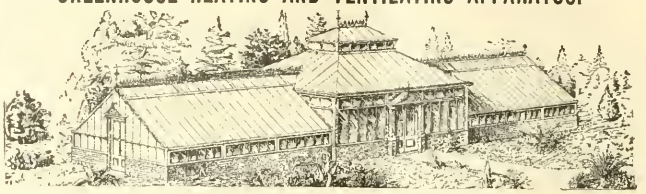
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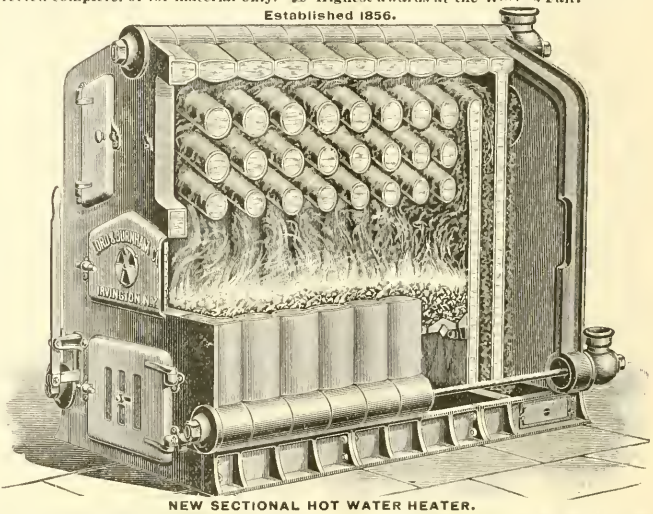
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Vol. XIII. **CHICAGO AND NEW YORK, OCTOBER 23, 1897.** **No. 490**

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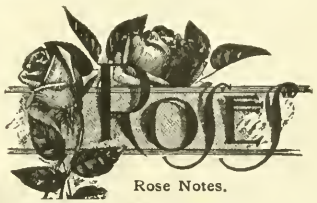
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The fourteenth annual meeting will be held at Omaha, Neb., August, 1898.

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NOTWITHSTANDING the exceptionally warm weather in October, the fact remains that November 10 should find with the most of our readers plants, roots and similar stock housed and well protected against freezing.



Rose Notes.

Hybrids that are expected to be in bloom at Christmas will require to be kept moving right along; failures at this season are generally the result of a setback of some kind after the eyes are started and everything appeared to be very promising. A few years ago when hybrids were forced very extensively for the holidays, and sometimes earlier, it often happened that many of the earliest houses were a partial if not complete failure, and that too regardless of the strength of the plants or the condition of the wood. The forcing process is comparatively easy in the beginning, but after the young shoots are about an inch long is the time we are liable to get into trouble, if everything is not favorable when that stage of their growth is reached they become stunted, stop growing, and do what we may it is impossible to start them again at all satisfactorily, and if any flowers are developed they will be short-stemmed, small, and lacking in character. To avoid this condition of things we must increase the night temperature immediately the eyes have all pushed, from 50° to 53°, and a week later to 56° and later possibly to 58°, with a corresponding increase during the day, maintaining at the same time a moist atmosphere and an adequate supply of moisture at the root.

There will be less risk from blindness as a result of too rapid growth than from being stunted by too slow a process. If they have not been mulched a dressing of good rich material may be applied to advantage, and a dose of weak manure water once a week will also assist them.

After the setting of buds commences the soil should never show much tendency to dryness, an abundance of moisture at the root afterwards is very essential to fine long-stemmed blooms.

ROB'T SIMPSON.

Summer Blooming Roses.

From J. W. M., Kansas, comes the following: "We have a bench of roses planted in June that we depend upon for the winter, we have also a solid bed of two-year-old plants that have bloomed finely all summer and are now in splendid condition; query, which would be best, throw them out this fall and use the space for something else or keep them over for next season, and if we discard them now what plan should we follow in order to have flowers next summer while the small winter blooming plants are becoming established? How many years would it be profitable to run a solid bed of roses?"

To answer the above intelligently it would be necessary to know if the bench of winter blooming plants and the solid bed are in the same house, and if they are in different houses whether the solid bed takes up the whole house so that the conditions may be made to suit the roses without taking anything else into consideration. If there is only one house I imagine the wisest plan would be to run the solid bed along through the winter as long as it is profitable or until April 1, then replace with young stock. To be certain of having good blooms next summer the plants would need to rest this winter, which would be impracticable if not impossible in a good growing atmosphere. If they have a house and can be treated any way you wish I would advise blooming them until after the holidays, then gradually lowering the temperature to a degree or two above the freezing point, withholding water at the same time, until about April 1, when they may be pruned pretty thoroughly and started up slowly, beginning at 50° by night. Summer roses in solid beds, provided they are properly constructed, with ample drainage, may be grown year after year and retain their health and vigor almost indefinitely.

ROB'T SIMPSON.



Mulching Carnations.

Do our carnations need a mulch? We planted them in the benches September 24, they are making a splendid growth and are all in bud and bloom. The roots are running along on top of the soil. Does that indicate that they are in need of a mulch of some kind? If they do, what shall we use and in what proportion?

C. A. M.

When the roots come to the surface it is always a sign that a mulch of some light nutritious material will be beneficial to the plants. They come to the surface in quest of food, which is always more readily dissolved where the soil is nearest and directly under the influence of light and air; it is to some extent a sign that the plant is in a condition to assimilate more ready food than the soil contains at

the time. But we only see them come to the surface when deeply shaded or during the darkness of night, I may say they come to absorb, to eat what light and sunshine has cooked for them; when exposed to light and sunshine they will soon perish; they are out of their element. Now what is more suggestive than to cover the soil with a light nutritious material, that will not exclude the air, but shade the soil and protect these roots, and at the same time furnish food. It will also keep the soil in a more evenly moist condition, it prevents the drying out and parching of the soil, allows the roots to come more in contact with the air, without getting injured or destroyed.

It is a rule with us to mulch the plants as soon as the first crop of weeds is destroyed. Now I would not advise to stir the soil deeply in doing this, a sharp little hoe is the best instrument to use, we only scrape the surface deep enough to destroy the young weeds, and after this we put on the mulch.

As a mulch I prefer well rotted cow manure; any other stable manure will answer, only it should be well decomposed. Of this we take three parts manure and one part soil, mix it thoroughly and make it quite fine. With this can be mixed anything in which we think the soil may be deficient, as wood ashes, air slacked lime, bone meal or horn shavings and lay it about one inch deep over the soil, taking care not to pile it close up around the plants, but rather leave the stems free. After this we give the bench a good sprinkling of the copper solution. This is the only time we now use any fungicide, and I have found it at this time a preventive, and even a check to stem-rot. FRED. DORNER.

American Carnation Society.

THE AMERICAN CARNATION SOCIETY, FELLOW MEMBERS: The amendments to the constitution and the proposition for change in the method of judging seedlings will be brought up for your consideration in Chicago. Please give them your careful attention, and if unable to be in Chicago, write your secretary any changes you may think of.

Our by laws are in proceedings of 1891 and 1892. If you do not have them, and your dues are paid to date, they will be forwarded on application to your secretary. ALBERT M. HERR, Secretary.

Lancaster, Pa., October 12.

GENTLEMEN OF THE AMERICAN CARNATION SOCIETY:—With the approval of the society the following instructions will be issued to the judges at our next exhibition in Chicago.

Instructions to Judges.—A full written report is requested. A vigorous and literal construction of all published rules and requirements is desired, and all plants and flowers are to be judged on their merits as shown, except as otherwise especially ordered. In case flowers or plants shipped from a distance have been so badly damaged by rough handling in transit as to render their consideration an injustice to the exhibitor, they shall not be considered and it shall be so noted in the report.

In applying the scales of points it is to be understood that the points allowed do not indicate absolute but only relative quality. In judging any class under the seedling scale of points the seedlings shall be compared with the best specimens of the best similar varieties in commerce, whether such commercial varieties are on exhibition or not. If the best colored seedling is better in color than the best similar colored commercial variety it shall receive the full number of points allowed for color, but if the commercial variety is of better color than the seedling it shall receive a proportionally less number of points. If any seedling shall have a distinctly new and desirable shade of color it shall receive the full number of points for color. In considering the stem, the seedling shall be compared with that variety in commerce considered by the judges to have the best stem and so on through the scale.

In judging the scale for general competition only those varieties in competition shall be compared, the exhibit showing the best color to receive the full number of points for color; that showing the best stem the full number of points for stem and so on through the scale.

Signed, W. N. RUDD, President.
Attest, ALBERT M. HERR, Secretary.

A proposition for change in the method of judging seedlings. In the seedling scale when used for final certificate insert 10 points for "Reports of Growers" and reduce other points to correspond (especially calyx, which is too high as no variety can have a good form without a fair calyx). To secure points under this head the exhibitor to name not later than June 1, preceding the exhibition, not less than three growers (greater number to be considered favorably by the judges) preferably in widely separated parts of the country, to whom he proposes to send stock of the variety for trial, these growers to report direct to the Secretary not later than February 8, nor earlier than February 1 following.

All reports on a variety to be thrown out unless each grower nominated sends in a report or satisfactory reasons (which the secretary shall lay before the judges in writing) shall be given for failure to do so. The reports shall be examined by the judges after they have finished judging the exhibits as shown, they to take into account the character and quality of the growers reporting as well as the nature of the reports. The seedling having the most satisfactory reports to receive the full 10 points and the others proportionally less. If from the reports (considered from all points) it shall appear to the judges that the variety is unworthy, the previous scoring shall be cancelled and the judges shall enter in their report "Rejected on account of unfavorable reports" This action however, shall not be taken unless the reports are distinctly and uniformly unfavorable. Reports to be made on a printed form prepared by the executive committee and approved by the society.

Exhibitors failing to have varieties tested as above to forfeit the whole ten points. Failing to receive reports after the exhibitor has announced the names of those who are to make the test, unless satisfactory reasons are given in writing the secretary shall withdraw the variety from consideration by the judges and it shall be so announced and published.

Signed, W. N. RUDD, President.
Attest, ALBERT M. HERR, Secretary.

Amendments to Constitution of American Carnation Society.

Art. III sec. II, After first word insert the word "Reputable." Art. IV, Sec. I After the word year add "and until their successors are elected and qualified." Art. VI. Before 'a meeting of the executive, etc., insert following, "A special meeting of the society may be called by the president with the consent of the executive committee or they shall be called on the written demand of not less than 15 members of the society. Notice of such meeting shall be mailed to each member not less than ten days previous to the date fixed for holding the meeting and no subjects shall be acted upon except such as are mentioned in the call. Voting at a special meeting by authorized proxy shall be allowed."

Art. VII, strike out word annually in last line, and add the following, "At the first session of the society at which there is an exhibition the president shall after consultation with the Ex. Com. nominate six members known to be present for judges. The meeting thereupon shall either accept or reject the nominations or call for the nominations of additional members. When nominations shall have been made by the president and accepted by the meeting nominations shall be closed and the meeting shall proceed to vote for three judges by ballot. The three nominees receiving the highest number of votes shall be the judges to pass on all exhibits at the exhibition of the meeting at which they are elected and shall award all premiums and certificates. All protests against the decision of the judges shall be filed in writing with the Ex. Com. promptly. In case of protest by a member of this society or an exhibitor the Ex. Com. shall examine into the matter carefully and if they consider an error has been made shall report to the society with suggestions as to its correction, otherwise they shall confirm the action of the judges. In all cases of protest no premium shall be paid or certificate delivered until the judges' action is confirmed by the Ex. committee or the protest has been settled by the society as the case may be."

By laws.—Sec. I, Insert after absence the words "or disability." Sec. II, Cancel and substitute the following: "The secretary shall keep a true and correct account of the proceedings of the society and shall conduct its correspondence. He shall have charge of its books, papers, reports and other property except as otherwise provided by by-laws. He shall make an annual report." Sec. III add, "He shall give bond in such amount and such sureties as may be from time to time required by the Ex. Com." Sec. VII, Strike out words after receiving such notice

Amend constitution, Article VII, by adding following If any person shall be convicted of dishonest practices in connection with any exhibition of this society he shall be forever debarred from exhibiting before the society or receiving from it any certificate, premium or award. If a member he shall also be publicly expelled from the society." Signed, W. N. RUDD, President.
Attest, ALBERT M. HERR, Secretary.



Coming Exhibitions.

[Secretaries are requested to supply any deficiencies in this list.]

BOSTON, Nov. 2-5. Chrysanthemum show Massachusetts Hort. Society. Robert Manning, Sec'y, Horticultural Hall, Tremont St.

MILWAUKEE, Wis., Nov. 3-5. Chrysanthemum show Milwaukee Florists' Club. A. Klokner, manager, 930 Grand Ave.

INDIANAPOLIS, Nov. 2-6. Chrysanthemum show and floral festival State Florists' Association of Indiana. R. A. McKeand, Sec'y, Garfield Park, Indianapolis.

GERMANTOWN, Pa., Nov. 3-4. Fruit and flower show Germantown Hort. Society. Geo. Redles, Jr., Sec'y, 207 Wister St.

POUGHKEEPSIE, N. Y., Nov. 3-5. Fall exhibition Dutchess County Hort. Society. W. G. Gomersall, Sec'y, Fishkill-on-Hudson, N. Y.

HAGERSTOWN, Md., Nov. 3-5. Chrysanthemum show Hort. Society of Washington County. Edward Oswald, Sec'y.

KANSAS CITY, Mo., Nov. 3-6. Chrysanthemum and flower show Kansas City Florists' Club. W. J. Barnes, Sec'y, 38th and Euclid Ave.

NEW BEDFORD, Mass., Nov. 4-6. Chrysanthemum show New Bedford Gardeners' and Florists' Club. A. J. Fish, Sec'y, 279 Pulmer St.

NORTHAMPTON, Mass., Nov. 4-6. Chrysanthemum show Northampton Hort. Society. E. J. Canning, Sec'y, Smith College Botanic Garden.

ANDOVER, Mass., Nov. 5-6. Chrysanthemum show Florists and Gardeners of Andover.

SYRACUSE, N. Y., Nov. 9-11. Chrysanthemum show Central New York Hort. Society. D. Campbell, Sec'y, Thornden, Syracuse, N. Y.

WORCESTER, Mass., Nov. 9-11. Chrysanthemum show Worcester Hort. Society. A. A. Hixon, Sec'y, 18 Front St.

MONTREAL, Nov. 9-11. Chrysanthemum show Montreal Gardeners' and Florists' Club, Secretary, 12 Brandon avenue.

PHILADELPHIA, Nov. 9-13. Chrysanthemum show Pennsylvania Hort. Society. David Rust, Sec'y, Horticultural Hall, Sta. A.

CHICAGO, Nov. 9-13. Fall exhibition Horticultural Society of Chicago. W. N. Rudd, Ass't Sec'y, room 202, 185 Dearborn St.

GRAND RAPIDS, Mich., Nov. 10-12. Chrysanthemum show Grand Rapids Florists' Club. N. B. Stover, Sec'y, Grandville, Mich.

WACO, TEX., Nov. 10-12. Chrysanthemum show Waco Floral Society. Mrs. M. B. Davis, Sec'y.

SPRINGFIELD, Mass., Nov. 10-12. Chrysanthemum show Hampden County Hort. Society. W. F. Gale, Sec'y, 331 Main street.

TORONTO, Nov. 10-13. Chrysanthemum show Toronto Gardeners' and Florists' Association. E. H. Carter, Sec'y, Riverdale Park, Toronto.

LOUISVILLE, Ky., Nov. 10-13. Chrysanthemum show Kentucky Society of Florists. F. C. Haupt, Sec'y, 241 W. Jefferson St.

ST. LOUIS, Nov. 10-14. Chrysanthemum show St. Louis Florists' Club. Emil Schray, Sec'y, 4101 Pennsylvania Ave.

PROVIDENCE, R. I., Nov. 11-13. Chrysanthemum show Rhode Island Hort. Society. C. W. Smith, Sec'y, 61 Westminster street.

NEW YORK, Nov. 12-13. Exhibition New York Gardeners' Society. J. H. Troy, manager, 365 Fifth avenue.

CLEVELAND, Nov. 16-19. Chrysanthemum show Cleveland Florists' Club. G. A. Tilton, Sec'y, 85 Woodland Ave.

Chrysanthemum Society of America.

The committees judging new seedlings will be in session October 23 and November 6, 13, 20, 27. Exhibitors should make their entries (for which a fee of $2 is charged for each variety entered) to the secretary not later than Tuesday of the week the blooms are to be shown. Blooms forwarded to any of the following addresses, express prepaid, will receive careful consideration:

BOSTON.—A. H. Fewkes, Horticultural Hall.



FLORAL ARRANGEMENTS AT THE HAMBURG EXPOSITION. No. 3.

NEW YORK.—Eugene Dailledouze, care of Dr. F. M. Hexamer, Madison Square Garden.

PHILADELPHIA.—Edwin Lonsdale, 1514 Chestnut street.

CINCINNATI.—R. Witterstaetter, corner 4th and Walnut streets.

CHICAGO —W. N. Rudd, room 202, 185 Dearborn street.

Those desiring further particulars address ELMER D. SMITH, Sec'y, Adrian, Mich.

WORK OF THE COMMITTEES.

At the committee meetings on October 16 new chrysanthemums were passed upon as follows:

NEW YORK.—Mrs. Arthur Caton, exhibited by W. N. Rudd, Mt. Greenwood, Ill. Jap. Light mahogany color, scored 55 points. Ben Nevis, exhibited by Wm. Anderson, Mamaroneck, N. Y. Jap. Ref. Creamy white, striped pink, scored 80 points.

CINCINNATI —Boundless Snow, exhibited by E. G. Hill & Co. for H. Yoshiike, Oakland, Cal. Jap. White. Scored 87 points. Mrs. Arthur Caton, exhibited by W. N. Rudd. Bronze. Scored 75 points.

PHILADELPHIA —Mrs. Arthur Caton, exhibited by W. N. Rudd. Jap. Ref. Bronze. Scored: Commercial, 88; exhibition, 91.

BOSTON —Mrs. Arthur Caton, exhibited by W. N. Rudd. Japanese. Reddish orange, reflex orange yellow. Scored 75 points. ELMER D. SMITH, Sec'y.

Judging Seedling Chrysanthemums.

Saturday last, October 16, was the first date on which new chrysanthemums were exhibited in the Quaker City under the auspices of the Chrysanthemum Society of America this year. The new candidate came all the way from Chicago and arrived in good shape. Mr. W. N. Rudd was the exhibitor. "Mrs. Arthur J. Caton" is its name, bronze its color, and Japanese its type. By the way, I have often wondered why some varieties are called Chinese and others Japanese, because from what I can learn each type is found growing in both countries indiscriminately; but whether in the back ages each of the now recognized respective types were indigenous only to the countries after which they are denominated I could never get any satisfaction. This new variety is said to be a cross between Yellow Queen and Mrs. E. G. Hill, both early varieties. It is good in form, quite full with stout stem, ample foliage, and fair in size. Its color as a commercial variety is against it, as there is only a very limited number of bronze colored chrysanthemums needed generally. Whether it was awarded a certificate or not correspondents are not permitted to say, for that information, according to what passed at the meeting of the Chrysanthemum Society of America held in Providence last August, must come officially through the Secretary of the Society, Elmer D. Smith, Adrian, Michigan.

An incident happened at the Providence meeting worthy of record here, and that is, it was stated that the Philadelphia committee are criticised more or less severely for awarding a first class certificate to Wm. Simpson, whereupon Eugene Dailledouze spoke up and said that he saw it in such condition last fall that it would have been worthy a certificate from any committee, and so it goes.

I can recall a statement made by a Boston judge (and it goes without saying they are all good judges in Boston) that no set of judges or committees of awards can foretell how a variety will behave in after years—they can only judge of it as it appears when brought before them. It was instanced that the variety Harry May received the award over Mrs. Jerome Jones on one occasion. The former is gradually going out of cultivation, whereas the late Mr. Gane's seedling still holds its own as one of the very best varieties ever raised. If all chrysanthemums had the great constitution possessed by Mrs. Jerome Jones good flowers would be very much easier to grow than they are now. PHILA.

Floral Arrangements at the Hamburg Exposition.

PLATE NO. 3.

The pillow was of white scabiosas, lavender centaureas and cattleyas with rosettes of lavender ribbon in two corners. The lyre was a red effect, obtained with red berries, anthuriums, tritomas and other dark red flowers. The shield was of lavender asters, a bunch of cattleyas, ferns and sprays of dendrobium giving a fine effect. The basket of cactus dahlias was an arrangement in yellow, with ribbon to match. The cross was composed of white cactus dahlias finished with cissus, asparagus and white lilies.

PLATE NO. 4.

An arrangement of cycas and palm leaves with lilies, spiræas and orchids.

PLATE NO. 5.

The cross and heart were badly formed, but the backing of palm leaves was excellent. The basket of plants contained crotons, caladiums, etc. and was very choice. The plaque had a ground of dark scabiosas finished with white roses, dendrobiums and Asparagus Sprengerii. The basket of M. Niel roses was a very striking effect in yellow.

Wind in a Valley.

A subscriber from Alabama who has read what I have had to say about the Aermoter windmill sends the following questions:

1. "How does he keep his Chicago Aermoter in motion during July, August and September? We need more water during those months than the other nine put together."

The wind blows here in those three months as well as in winter, spring and fall, and as it takes but the gentlest breeze to turn the mill we have never found any trouble, only employes are apt to tie up the mill and not give it a thought long as there is a drop of water in the tank. Keep it going all the time and keep your tanks full.

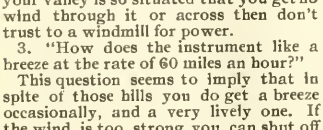
2. "As he lives 1200 feet above sea level with mountains several hundred feet higher all around us should the tower be high enough to catch the breeze coming over the tops?"

It would be expensive (if necessary) to build a tower "several hundred" feet high and not only would the first cost be overwhelming but the weekly operation of oiling the machine would necessitate your keeping a professional aeronaut on the place. No, that is an absurd question. If your valley is so situated that you get no wind through it or across then don't trust to a windmill for power.

3. "How does the instrument like a breeze at the rate of 60 miles an hour?"

This question seems to imply that in spite of those bills you do get a breeze occasionally, and a very lively one. If the wind is too strong you can shut off mill and there is no more to catch the wind either in tower or wheel than there is in an ordinary weather vane. You can adjust the wheel of the Aermoter to take any quantity of wind that you consider safe.

WILLIAM SCOTT.



Orchids for Florists.

It has been suggested by a subscriber to this paper, that a few hints as to the proper treatment and best kinds of orchids for the average provincial florist to invest in would be of benefit to the readers of the paper at large. It is unfortunately too true, that those who have been and are, in a position to furnish just such knowledge, have been apt to throw a halo round the plants, throwing both the plants and their treatment under a veil of mystery, and officiating as high priests at spasmodic intervals, when there is a new plant to be placed on the market, or a specially rare variety to be discovered to the reading public.

In these notes that may appear, the writer wishes it to be understood, that he has never had a plant to sell, probably will not have, and the little knowledge gained has been gathered from experiments made under conditions such as are at the command of every florist who has a rose-house temperature in his establishment. Our first plants of cattleyas were grown suspended in the rose-house; the same house has been transformed into a house for cattleyas and other subjects, the original benches being there still, and the exact temperatures being maintained, the only difference being made in regard to shade for the occupants.

An inquiry from an Ohio correspondent contains under two heads, about all the questions that need to be answered, viz. "When best to obtain from the dealers, and how to handle on arrival, i. e., as to repotting, also potting material, and location in house. Then how to treat when through blooming, stating if best to increase or grow on, watering, shading, and best kinds to produce flowers that would be useful for florists purposes from December to March."

All of these queries will be answered in due course, and the replies will be made as lucid as possible. There are so many little details that a beginner needs to know, and there being no work published that applies to our climate, that is at once so suitable and yet so different from that of Britain, to which all the present works in the English language apply, that one has to modify the whole, and that is experiment pure and unadulterated, such as the writer has indulged in for the past few years.

Many florists may doubt the wisdom of attempting the culture of orchids. We are accustomed to see them described as the plants for the millionaire, and not for the million, and still we see that the leading magazines have given space to some of the most able articles on this fascinating family that exist in our language, at least for popular digestion, and the cuts that illustrated one of these articles have been acquired by a leading English horticultural paper and appear at intervals with matter written to illustrate the accuracy of the drawings.

If more evidence were needed of the march of the times, a week or so ago I was told that one who was until recently a leading rose grower of the metropolis, is to-day the largest commercial orchid grower; all this change in less years than one could count on the fingers of one hand, and it is highly probable that he did not construct new houses for the change of crop. The fact is that most all who read—and who does not?—can to-day converse intelligently about orchids, and, a sure sign of mastering the rudiments, can pronounce the word correctly.

There is a fascination about this great order of plants that does not seem to attach to any other; at least it almost amounted to a hypnotic influence with me from boyhood, and the few plants that my father grew were, when in bloom, the subjects of much homage, more I fear than the parental progenitor at times, and while the first has never diminished, it should also be stated that the latter grows with the years, and by way of an explanatory note it should be stated that my own more recent experiences as "pater" make me wonder how he had as much patience as he did.

All plants need to be treated as one would their offspring. It is often said that the touch of some people seems to make plants grow, and it is true that plants need that sympathetic touch that is life, and none more so than orchids. They give value according to attention received, and while they are in the main no more difficult to grow than roses (I have found the rose much harder to grow), they resent much more readily any lack of attention or proper conditions, and it is a long up-hill road that brings them back to vigor again.

The greater number of the showy varieties of orchids that are suitable for florists' use are natives of the western hemisphere; the large genera of cattleya, odontoglossum, miltonia, oncidium and others are all from the various parts of Central and South America, and we are most favorably situated to get them at first hand. It is not necessary for them to make a trip across to Europe and then back to the auction rooms in New York before we can get them. Business competition has brought the importation of plants to a fine art. I have seen a number of cattleyas this summer that made their growth in Colombia and produced their flowers in the United States; this tells of the close connections made by collectors and the perfect condition in which the plants came to hand, and while we are constantly told of the diminishing supply, the cost to the grower does not seem to be any more, rather less perhaps than under the older regime. It is true that for plants from the east such as dendrobes and cypripediums we must still receive by way of Europe, but as the demand increases more may follow the example of that intrepid collector Forstermann, and send out men who will bring them home to us direct.

Comparatively little has been done here in the hybridizing of orchids, though there are several brilliant exceptions, and many more are getting the fever each year. It is now within the reach of possibility that if the supply of cattleyas and lælias ceases the home raised crop will supply the gaps in the ranks and keep up the interest at least of the cultivators. It is most fascinating work and of all-absorbing interest both to the cultivator and to the vegetable physiologist, to whom the transmutation of form and coloring is a source of never-ending wonder and charm. There is nothing more wonderful in the vegetable kingdom than the arrangements for the reproduction of orchids, and the minute seeds that the least breath is sufficient to diffuse into the air, and the subsequent change that takes place after sowing, which will make the subject of a later note. It has proved of so much more interest than any other cultural operation that has come under my observation in the 25 years that it can be said to have reached the acute stage.

E.

Miscellaneous Seasonable Hints.

AZALEAS.

The disposal of early crops of chrysanthemums is a boon to many of us for we badly need the space they occupied. The azaleas, rhododendrons and bottle brush plant have arrived. I spoke of the azaleas and their treatment a week or two ago, but I forgot to say it is of great advantage to keep the azaleas in their sorts and not all mixed up. The late varieties, or those you do not want in flower till Easter, can be put into the coolest house, or even a deep cold-frame would be an excellent place. But early varieties, such as Deutsche Perle and Simon Mardner can be put into a warmer house. This may seem like premature forcing, but getting any of these newly imported azaleas into flower by Christmas is terribly unnatural, and you might just as well take two months over it as to force them out under a great pressure of heat in two weeks. A Deutsche Perle that sells for $2 or $3 at the holidays is not expected to survive forever and will certainly last longer than a bunch of flowers, so no deception is practiced.

THE BOTTLE BRUSH.

The metrosideros with me were not profitably handled last year because they were kept too cool all winter with the idea that six weeks forcing would bring them in at the desired time. This is not the way. Give them a warmer house than you would azaleas, and if a few come out earlier than you expect they sell readily. I also found that with strong forcing they lost their flowers almost as soon as de-



FLORAL ARRANGEMENTS AT HAMBURG EXPOSITION. No. 4.

veloped, so let the coming on of these very attractive plants be gradual rather than with extremes.

BULBS.

This has been one of those falls when bulbs that were planted early and put outside and covered with a few inches of soil or tan bark would need a good weekly wetting, for no rain to go down one inch has fallen here in six weeks. If your Paper White narcissus are well rooted you can bring in a lot weekly and the same with Roman hyacinths. I don't think large quantities of either of these pretty flowers pays before the holidays. By December you can force Romans in three or four weeks, but not so with the Paper White, or at least it is not advisable to try, for when forced in much heat they are weak, spindling things. Give them eight weeks in a cool light house and they are worth cutting.

The ground has been too dry for you to plant any bulbs for your customers, but when doing it don't forget to get the bulbs well down; six inches is not too deep to plant tulips; they will be nearer the top by spring. Plant good varieties for your patrons; they will pay for fine sorts, will bless you and call round for their other wants. The finest bed of tulips I ever saw was on our Delaware avenue last spring. The bulbs were as good as could be imported; they were planted about five inches apart, and the varieties were Belle Alliance (Waterloo), La Reine, Yellow Prince, Rose Grisdelin and Kaizerkroon.

CYCLAMENS.

Those people who grow prize cyclamens sow end of September or early this month, but there is lots of time. If you wish good sized plants a year from now sow at once and see that you get the best strain of seed. Cyclamen is irregular and often takes considerable time in germinating. The covering often gets very weedy, and worse, covered with moss, so if you could bake the soil with which you cover the seed it would save you pulling out weeds and be in a healthier state for the little plants to thrive during the first six weeks of their existence. Keep the seed box in a temperature of 60°. There is not much troubling the cyclamens that are now just beginning to flower except aphis, and that is easily kept down by tobacco smoke, which does no harm to the plants and very little to the flowers. On bright mornings the cyclamens should get a gentle syringing. It will keep down spider and thrip.

VIOLETS.

I lately had an attack of spot on violets. Every affected leaf was pulled off and no more has appeared. Don't be afraid of the spot; it is easily cured, and be sure not to use any chemical on the violets; it will kill the leaves sure.

W. SCOTT.

Dahlia Notes.

The arrival of cold weather compels us to lift and store away dahlia roots for the winter. How soon after the first frost this shall be done is an important question. Many think it an advantage for the roots to remain in the ground for some time with the idea that they thus ripen. This ripening is largely a myth. Roots which are taken from the ground the day after the frost has killed the foliage will keep as well and start in the spring as freely as those which remain in the ground two or three weeks. Where they remain in the ground there is a tendency for the buds to start, especially if the first frost is followed by a considerable period of warm weather. While these young sprouts may remain unharmed, ready to continue their growth in early spring, there is danger that they may suffer harm in the various processes of digging, storing and bringing out in the spring.

The greatest danger, however, in allowing them to remain in the ground is in the liability of the stalk to freeze. It often happens that a very cold night will freeze the surface of the ground sufficiently to form a crust long before there is any danger of a permanent freeze. This freezing of the ground around the stalk of the dahlia is disastrous. The tissue of the stalk is disintegrated and no matter how sound it appears when taken from the ground, the stalk is almost certain to decay down to the crown of the tubers and to communicate decay to the tubers themselves.

The safest rule is to dig just as soon as possible after the frost has killed the foliage. Select a dry sunny day. Use a spade or spading fork. Press the spade down as far as it will go on each side of the clump of roots, then work it under the clump so as to lift them bodily. After lifting jar off the soil which adheres by striking the stalk with the spade. Do not pull up by the stalk nor strike the dirt off. Either process will cause damage by breaking off roots from the bunch or injuring the necks where these are long and slender, as is the case with many varieties. Allow them to remain in the sun long enough to dry off the moisture, and they are ready to store away. Cut stalks low or high, as is convenient. Split bunches through the stalk when that is large and hollow. H. F. BURT.

Taunton, Mass.

A Violet Query.

I have a bed of single violets that have grown foliage so rapidly and so thick as to give me some anxiety about the flowers, which seem to mature most about the outside edge or where the leaves are less thick or plentiful. Will you advise me as to the propriety of thinning out the leaves in order to give the buds a better chance for development, or of any other course to pursue under such circumstances? Also at what time in the autumn it is proper to remove the lime or shade from the glass over violet beds.

SUBSCRIBER.

Subscriber should not thin out the leaves of his violet plants, as they are the lungs of the plant. Keep them cool, 45° to 50°, and if nothing else but plenty of leaves is the matter with them he should have an abundance of flowers shortly. Let him beware of red spider; they thrive in a warm dry atmosphere; water applied with force to the under side of the leaves is the remedy. Remove shading at once.

Rhinebeck, N. Y. GEORGE SALTFORD.

New York.

CUT FLOWER MARKET SUFFERS.—CHRYSANTHEMUMS PILING UP.—ORANGE TREES AT CHAS. ZELLER'S.—DISPLAY OF ORCHIDS.—NEW CARNATION C. A. DANA DOING EXCELLENTLY.—SILVER MEDAL OFFERED BY N. Y. FLORIST CLUB AT COMING SHOW.—VARIOUS ITEMS.

The cut flower market is suffering from the effects of the pleasant summer weather which hastens the blooming of all indoor crops and retards the disposition of the public to buy flowers. This fire from front and rear naturally demoralizes the whole industry and it is unquestionably true that business has never before been in worse condition in October than it is this year. There is an accumulation of everything in the cut flower line and an adequate outlet is an impossibility. Chrysanthemums are rapidly piling up and there will now be little relief while they last even if the weather should veer to Alaskan inclemency. Violets alone resent the warm spell and are coming in in very poor shape.

Cannas, salvias, dahlias, morning glories, marigolds and other garden flowers of all descriptions are still blooming gaily in Flatbush, and even coleus, which is about the first to succumb to fall weather, holds its foliage well yet. No better sign for a plantsman's business could be devised than the garden in front of Louis Schmutz', which is the gem of Clarkson street. Louis has within some of the finest primroses ever grown. His chrysanthemums look well, the only defect seen being that mysterious rotting of the petals on Merry Monarch here and there, which has puzzled other chrysanthemum growers.

Chas. Zeller & Sons are still at the orange trees. The new house built this year is filled with them and they are very promising, as are also the ardisias. Pteris Zelleri does all that was expected of it and makes an admirable little jardiniere plant, the fronds being very tough and persistent. Mr. Zeller is greatly pleased with Asparagus Sprengeri, which he regards as the ideal hanging basket plant. The Zeller establishment is one of the neatest commercial places on the continent.

The visitor to Flatbush should not fail to call at the beautiful place of Mr. Wm. Brown, where P. Riley is in charge of the conservatories. The collection of stove and greenhouse plants here is very complete and they are always in good shape. A special attraction at present is the display of Cattleya labiata. Lælias and phalænopsis also show that in their season they will be grand. The moss bank which covers a brick wall in the palm houses is a notable feature of this place. It is surprising to see how many plants take kindly to this culture and grow elegantly for years in nothing but wet moss. Beside the ferns and creepers there are marantas, begonias, crotons, pandanuses, fittonias, anthuriums and other things in great variety and they all grow luxuriantly.

The new carnation, C. A. Dana, is doing excellently, so far, with A. H. Burns at Woodside, and he is greatly pleased with it and also with Flora Hill. Harrison's White made a good growth and is beginning to bloom. Mr. Burns has a sport from Minnie Cook with deeper and more abundant stripings on the flower. It is an improvement on the parent variety, in that it shows no disposition to burst. Portia is still a favorite carnation with Mr. Burns. On account of the tendency of this variety to die out after planting on the bench, he finds it a good plan to give them a shift into pots for a couple of weeks before putting on the bench. Two houses of mignonette, of which the seed was sown on July 24 and August 5, respectively, are widely divergent as to crop; one being now in bloom and the other fully six weeks behind. Last year's returns from flower sales dampened Mr. Burns' ardor for chrysanthemum growing and he has but few this year. Unless this season shows up better in this respect than present appearances indicate there are plenty of growers in this neighborhood who will follow Mr. Burns' example next year.

A circular has been sent to the members of the New York Florists' Club by Secretary Young calling attention to the silver medal which the club offers for the best exhibit of chrysanthemums at the November meeting, twenty-five blooms in not less than five varieties. Intending exhibitors should notify the secretary at 51 West 28th street not later than November 5. Competition is open to all.

Siebrecht & Son will have one of the most roomy as well as one of the most sightly and well appointed stores in New York when alterations now in progress are completed. The adjoining store formerly occupied by a milliner has been added and the partition wall taken out, thus giving nearly double the original frontage on Fifth avenue.

W. H. Siebrecht has finally been awarded the full amount of damages claimed from the gas company for damages to plants resulting from a leaky gas main. The case has been in progress for two years and the original decision of the court has been affirmed by the court of appeals.

Ferdinand Boulon and daughter sailed for Europe on October 16.

Chicago.

TRADE FAIR ONLY.—PRICES WEAKER.—AMONG THE WHOLESALERS.—ST. LOUIS BOWLERS COMING.—A FLORIST COMMITS SUICIDE.—AMONG THE RETAILERS.

Trade the current week has been fair but on the whole doesn't show any marked improvement on the week previous. Chrysanthemums are now coming in very freely, and in consequence are exerting an influence on prices of roses and carnations, particularly the latter, which have taken a decided drop. A few of extra fancy sorts, such as Pingree, Lily Dean, and a few others, are held at $2 per 100, but in ordinary sorts 75 cents to $1 is the top price for the best grade of stock. The bulk of the stock sells for much less. The latter part of the week 50 to 75 cents might be considered the price for average quality. The quality of 'mums is very good but the prices realized are on the average lower than those of preceding seasons. Extra high grade bring $2 per dozen, but very fine blooms can be had at from $10 to $15 per 100. In whites Mrs. Robinson is still the best. In yellow we have some very fine Yellow Queens. This variety is much better this year than last. The blooms come a good clear yellow and the tendency of running to bronze, as was the case last year, is not apparent so far. Mrs. O. P. Basset is also a fine yellow for which there is a good demand. Whilldin is being cut in quantity, but of indifferent quality. There in a scarcity of good pink, very few Mrs. E. G. Hill being grown this year. Roses on the whole are of fair quality, but there is considerable mildew noticeable. Prices of first quality stock remain about the same as quoted last week, the poorer grades however are selling much lower. Violets are now being picked in limited quantity. Californias are of fair quality, but the doubles are as yet rather poor. Prices range from 50 cents to $1.25.

Kennicott Bros. Co. report business for the first half of October much in advance of that of the same period of last year, and at better prices, until the recent slump. Their sales since last week have averaged about as last year, but much more stock has been handled to produce the same amount of money on account of the break in prices.

Vaughan, McKellar & Winterson have added considerably to their stock of supplies, and have filled with their own goods a good deal of the space formerly rented to growers who sold their own stock. Their place presents a very attractive appearance.

At Reinberg Bros'. the rose stock seen was first-class, their Kaiserins and Carnots being especially fine. For Kaiserin they have had a particularly good demand, and the prices realized are very satisfactory, $5 and $6 being the quotations for the choicest stock.

The funeral of the late Geo. M. Pullman has called for a large quantity of choice flowers, the demand being principally for long-stemmed Beauties, violets and orchids, the Central Floral Co. placing one order for 850 cattleyas alone.

The St. Louis Bowling team will visit Chicago Sunday and Monday, and while here will have a game with the Chicago bowlers. Preparations have been made for receiving and taking care of the St. Louis boys while here, and an enjoyable time is anticipated.

The chrysanthemum show will be held in Battery D and Lake Front Armory together the same as last year. The art exhibit will have space in the armory. Rosenbecker's orchestra has been engaged again. Superintendent Rudd has things well in hand.

The Illinois Cut Flower Co. has rented the basement directly under their present quarters at 51 and 53 Wabash avenue, where they will have a large cold-room 30x18 for the storage of cut flowers, etc. The place will be steam heated and fitted up as a first-class depot for cut flowers.

Carl Koehle, a florist at 2245 N. Leavitt street, committed suicide last Tuesday in a peculiarly shocking way. He stood upon a table, adjusted a wire noose around his neck, swallowed a bottle of carbolic acid and then drew a razor across his throat. The man was undoubtedly insane through remorse. He had just received word of the death of his father in Germany, which country he had left some 16 years ago without bidding good-bye to his parents. He leaves a wife and five children. His business was apparently prosperous and he was not known to be in any financial difficulties.

Mr. Geo. Wittbold's store on North Clark street has been newly painted and decorated, and the large double front presents a very attractive appearance. Mr. Wittbold has taken his son's interest in the store, and both greenhouses and store are now under the one name. At the greenhouses the wholesale business in palms, ferns, etc., is growing rapidly.

The Washington Floral Co. has opened a store at 286 North Clark street.

Wells, the florist, has moved down town and is now at 74 Randolph street, under the title Illinois Floral Co.

Among visitors in town was A. Nelson, with F. R. Pierson Co., Tarrytown, N. Y.

Now is the time to prepare advs. for our annual Chrysanthemum Number to be issued November 13.



FLORAL WORK AT THE HAMBURG EXPOSITION. No. 5.

St. Louis.

CLUB MEETING.—'MUMS COMING IN FREELY. —INCREASING DEMAND FOR BEAUTIES.—OTHER FLOWERS —A ROSE WAR.—VISITORS —LOCAL ITEMS OF INTEREST.—BOWLING.

A very pleasant and well attended meeting of the Florists' Club (preceding the chrysanthemum show) was held last Thursday afternoon at 3 o'clock with Vice-president Ude in the chair. President Halstedt could not be present owing to a death in his family. The chrysanthemum show committee reported progress and that everything is running in good order.

Mr. J. Austin Shaw was a visitor at the meeting and was requested by the chair to make a few remarks. Mr. Shaw responded in his usual happy manner and complimented the florists of St. Louis upon the improvements they have made since his last visit. He spoke of the Shaw's Garden and said it seemed home-like to speak of them and often regretted that he was not a son of the late Henry Shaw. After the regular business the meeting adjourned. The next regular meeting of the club will not be held until Thursday, Dec. 9, as the November meeting would come during the chrysanthemum show.

Chrysanthemums are beginning to come in freely. A few of the growers were apprehensive a few days ago that their exhibition crop would not be ready for the show, but with such weather as we are having now there is no fear but that the bulk of the leading varieties will be in good shape. The best of the stock in chrysanthemums brings $3, the average price being $1.50. Southern-grown stuff comes in in bad shape and very small, and most of them are sold for express charges.

The demand for Beauties is increasing daily. First-class stock has advanced to $2.50 per dozen, others according to length of stem from $1 to $2 per dozen. Other roses, such as Meteor, Kaiserin, Bride and Carnot, are bringing this week for firsts $4 and $5, seconds $2 and $3; Perle, Wootton, La France and Bridesmaid, $1 and $2. Roses by next week will begin to feel the effect of the increasing supply of 'mums.

Carnations are better this week in supply and quality. The best are bringing $2; this is fine disbudded stock; for the average grade the price is $1 per 100. Good red is very scarce just now. Mr. Aue, of Lindenwood, is cutting the best red that comes to this market; the variety is Jubilee.

Cosmos is very plentiful now and the price has dropped to 25 cents per 100. The demand for violets is improving; the small single are the best now and sell at 25 cents per 100; California are yet small, but they bring 40 cents. Valley has also been in demand at $4 and is very good. Smilax is better this week, but no change in price.

Last Saturday all the florists below Seventh street had what they called a rose war, all having signs in their windows offering roses at 25 cents per dozen, carnations 15 cents. One store had a sign reading "The best roses in the house, 25 cents per dozen," and yet these same men cried out some time ago that the fakir has ruined our business.

J. Austin Shaw, representing Siebrecht & Son, New York; Chas. Ford, with Herman & Co., New York; and Busch and Purzner, florists, from Jefferson City, Mo., were our visitors last week.

W. W. Coles, of Kokomo, Ind., is sending to this market some very fine Kaiserins and Beauties. Walter says he expects to take a great many prizes at our coming chrysanthemum show.

Andrew Meyer, of South Jefferson avenue, better known as the chrysanthemum king, reports that he will be in it at the show with as fine a lot of plants as ever seen.

Henry F. W. Aue, of Lindenwood, is cutting some very fine carnations. His Eldorado, Jubilee and Alaska are the best seen in this market for a long time.

The firm of Ostertag Bros. has been dissolved by mutual consent. Henry C. will continue the business at the old stand under the old firm name, Ostertag Bros.

At the Bowling Club's roll Monday night there was a full attendance, but the scores made were not so good as last Monday. Our high man in the three games rolled was John Young, with 499; Kuehn second, 485; and Schray third, 467. The high single score fell to Al. Bauer, 183; John Young second, 175; and Kuehn third, 173. John Young is rolling the game of his life just now and says that he is out for the medal. Next Monday night will end the October series, and we roll at the same place again.

J. J. B.

Boston.

WARM WEATHER AND LOW PRICES ON FLOWERS —PRELIMINARY CHRYSANTHEMUM SHOW —VISIT TO F. R. MATHISON AND TO LENOX —ACCIDENT TO AN EMPLOYE.—NEW STORES, WHOLESALE AND RETAIL.—VISITORS.

In common with other sections of the country Boston has been experiencing some very torrid weather. Outdoor flowers had been pretty thoroughly killed off by a previous cold snap, so there was nothing outside to respond to the tropical heat, excepting cosmos, but inside flowers, especially chrysanthemums came on with a rush and the market took the usual course. Chrysanthemums went from two dollars down to fifty cents a dozen in a twinkling and like Humpty

Dumpty in the rhyme, "four score tinkers and four score more, couldn't put them back where they were before." The growers are vowing that another year they will give a wide berth to early whites and some of them are inclined to give a wide berth to all kinds and all colors. One grower asserts that no man can produce good specimen blooms such as are now called for at less than three dollars a dozen and if this is true the shrinkage on the venture at present returns must be discouraging, indeed. Cosmos is coming in good and finds a ready sale. No flower makes a prettier showing in the florist's windows than this, among the ferns and palms. Violets are generally of excellent quality but in light demand, so far. The street pedlers confine themselves mostly to roses and carnations of the popular varieties, all of which are abundant and cheap.

The preliminary chrysanthemum show at Horticultural Hall, scheduled for October 16th, which was expected to bring out a good display of every flowering varieties, could not be called a success. The unexpected appearance of Robert Laurie, of Newport, gardener to C. Vanderbilt, as a competitor, was all that saved it from being a dead failure. In the twelve bloom class there were no entries. For six blooms in six varieties, Geo. B. Green, gardener to Jas. L. Little, was awarded first. The varieties shown were: M. M. Johnson, J. H. White, Mrs. H. Robinson, Dr. Masters, Marie Louise, and Clinton Chalfant. Mr. Laurie's set was equally good and the committee had difficulty in deciding to put him second. His varieties were the same, with the exception of M. M. Johnson and Dr. Masters, for which William Simpson and Gladys Vanderbilt were substituted. In the class for ten blooms of one variety, Mr. Laurie won both first and second, with Marion Henderson and Mrs. H. Robinson, respectively, and J. W. Howard won third, with Glory of the Pacific.

There were splendid groups of orchids in bloom from J. L. Gardner and J. E. Rothwell. J. L. Gardner also showed a good collection of delphiniums, Mrs. Gill some fine belated dahlias, James Comley, bougainvillea and carnations, F. W. Fletcher, Princess of Wales' violets.

Those who were of the fortunate party who visited F. R. Mathison last week, Tuesday, are still talking of the grand time they had and the unlimited generosity of their host. They had the pleasure, also, of inspecting one of the finest rose growing establishments in this section. Fred's liberality and the success of the occasion inspired a number of other gentlemen who were present to extend invitations and several events of a similar character are listed for the near future.

The visit of the Garden Committee of the Mass. Horticultural Society to Lenox was an occasion replete with enjoyment for those who participated. The party was met at Pittsfield by a delegation from the Lenox Horticultural Society and for two days the time was spent in visiting the grand estates in Lenox, and Old Stockbridge and in being entertained as few understand how to entertain outside of the generous horticultural lights of Berkshire County. A banquet at the Bellevue Hotel on Thursday was attended by seventy-five gentlemen and many felicitous speeches were let loose.

Daniel McKinnon, employed by W. H. Elliott at Brighton, fell through a greenhouse roof last Wednesday and was terribly injured, his throat being badly cut by the broken glass. He was taken to the city hospital.

The address of the wholesale cut flower and supply firm of Galvin & Co. is 4 Ordway Place and not as given in last week's notes. It is admirably located for the purpose.

Wax Brothers have opened a very fine retail establishment at 143 Tremont street.

Welch Brothers are building an 18 foot addition to their refrigerator.

Geo. A. Sutherland has thoroughly renovated his place in preparation for winter trade.

Visitors in town: M. Reukauf, representing Bayersdorfer & Co., Philadelphia; Rob't Laurie, Newport; S. Skidelsky, Philadelphia.

Philadelphia.

BUSINESS QUIET PAST WEEK BUT NOW IMPROVING.—SLIGHT ADVANCE IN PRICE ON EXTRA ROSES.—CARNATIONS IMPROVING.—PLENTY OF CHRYSANTHEMUMS.—SOME 'MUMS SCORCHED.—PINK IVORY COMES WHITE.—POTTED 'MUMS.—MEETING OF HORT SOCIETY.—MICHELL'S PREMIUMS FOR COSMOS.—THE WHOLESALERS.—PLANT TRADE.—RUBBERS.

It is no news that it has been very warm, as the daily papers report a like situation all over the country. Still we must speak of it, as the market was considerably affected. Flowers became very plentiful and the demand fell off so that both grower and dealer had a hard time disposing of their stock. It is cooler now, however, and a much needed rain has set in.

Business has been quiet the past week, but is now looking better, and if the cool weather continues may get some snap and life to it. Prices have not advanced except for a few of the extra teas. Some fancy Carnots are selling for $10 and other select teas $5 and $6. With other flowers there is little if any change. There is an immense quantity of cosmos about. The quality of most of it is good, much better than the usual run of other seasons, there having been no killing frost as yet. The price is nominal, the man who has nothing else to sell being lucky to get car fare for his journey.

Carnations are improving. Victor is coming in and bids fair to be one of the season's favorites. W. P. Craig is sending in a few fine Flora Hill that bring $2 readily. Chrysanthemums now make up considerable of the hustler's load. Glory of the Pacific, Mme. Bergmann, white and yellow, Merry Monarch, Mrs. Anthony and a few Mrs. Robinson and Whilldin about make up the list of kinds now in. Prices range from $5 to $25 per hundred, according to grade and quality; good average flowers bring $8 to $12.50 per hundred. Violets are getting better slowly and some fairly good stock can now be had. Doubles sell for 50 to 75 cents per hundred; singles, California, 25 to 40 cents for the same quantity.

The warm weather had a damaging effect on the 'mums. In quite a number of cases partially opened buds were badly scorched by the hot sun and the flowers thus rendered useless. A little shading would have prevented this, but it was so unexpected that when noticed it was too late. Pink Ivory is likely to be scarce this season, it seems to have gone back. At Robert Craig's a house with white Ivory on one side bench and pink on the other fails to show more than the slightest difference, although the cuttings of the pink were taken only from well colored stock. The buds are just opening and show almost pure white and will be hardly deeper as they expand. Chrysanthemums here are looking very fine; not a diseased plant is to be seen. A house of Bonnaffon is particularly fine.

Plenty of potted 'mums are to be seen about the stores. Chas. Meckey, at 16th and Erie avenue, has an immense stock of well grown plants. He is making a 35-foot addition to several of his already long plant houses so as to fill up the lot.

Geo. C. Campbell, Germantown Road and Broad street, is getting into touch with all the trade. His telephone, a brand new one, is No. 9083 D. He is cutting a fine lot of 'mums at present.

The meeting of the Horticultural Society held last Tuesday was rather slimly attended. Business in reference to the chrysanthemum show was transacted and Secretary Rust said that everything pointed to a good display. In response to H. F. Michell's premium of $5 for a vase of cosmos there were twelve entries; these made a fine show and the committee had a hard job to select the two best, first prize going to Frank West. Mr. Michell then kindly awarded an addition premium to each of the other ten exhibitors of $1 each.

W. H. Smith, our new commission man, is quite well satisfied with the way business is coming to him. Our principal wholesale men are now situated close together and covenient to most of the trade. S. S. Pennock's addition is being rapidly pushed forward and will be ready December 1.

Fred. Ehret, of Fairmount avenue, says the up-town stores keep him busy and he don't have much time to hunt up down-town business. He is well satisfied with the outlook.

The plant trade is moving a little faster and the stores report better sales. The H. A. Dreer Co. sent their large van around the past week selling plants right from the stock carried. This is an innovation for this firm but a good one for the retail florist; in fact the next best thing to a market.

Rubbers have been popular as a house plant for a long time but they seem to be in more demand this season than ever. A plant in a 4-inch pot sold last week under the hammer for $2 and several others of same size all brought over $1 each.

Ed. Reid had a nice bunch of sweet peas of the new crop sent him last Tuesday. This puts them into the same class as lily of the valley, an all-the-year-round bloomer. K.

Cleveland.

REMARKABLE WEATHER.—BUSINESS AVERAGES FAIR.—GASSER'S STOCK IN GOOD SHAPE.—NEW CARNATION GENESEE.—BOWLING.—CLUB MEETING ON THE 25TH.

The weather continues phenomenally mild and pleasant for the time of year, there having been as yet only one very light frost that did little or no damage beyond slightly marking a few dahlias here and there. Barring one moderate rain over a week ago, we got no atmospheric condensation except in the form of dew.

Chrysanthemums are coming in much more plentifully, but as yet are in sufficient demand to use up the supply. Prices on them of course are exceedingly various; according to the quality of the blooms they range from three or four cents up to twelve or fifteen in very good grades. Retail prices run from $1 to $3, with some flowers bringing $4. Roses are in fair supply and of good quality. Carnations are good and are offered in sufficient quantities.



A FREE FLOWERING CHRYSANTHEMUM.

Business probably averages fair, some reporting it very good; others say that funeral work is the only thing that keeps them out of the poorhouse just now. Taking it all around, however, and judging somewhat by the relation of waste stock to the supply it would appear that at least very little stock is thrown out just now. When chrysanthemums get into full swing it may be different.

A visit was made to J. M. Gasser's Rocky River establishment lately, where everything was found in its customary good condition. Carnations, notably, were extra fine. Several houses of chrysanthemums in various stages of development were showing up well.

Writing the above remark relative to carnations reminds me of a new white one (in this vicinity at least) named Genesee, and of which Mr. H. A. Hart has a small stock. These plants when seen by the writer lately were exceptionally clean, thrifty and vigorous in their growth and were bearing an excellent crop of buds and flowers. The blooms were, without extra handling or attention in any way, large, long-stemmed and stiff, had good substance and form and were of the purest possible white. The stock was sent him from western New York for trial and the variety at present certainly is exceedingly promising in its appearance.

The bowling club met per schedule Monday evening, October 18, and pulled off a great time bowling, smoking, playing cards and eating a lot of the best grapes that Mr. E. H. Cushman's vineyard can produce. It goes without saying that they were as good as grapes grow. No extraordinary scores were made, but some of the prize poodlers developed a little improvement in their playing that comforted them vastly.

At the regular club meeting October 25 it is very likely that a tempting proposition from local people will be submitted for consideration, relative to the chrysanthemum show. A large attendance is hoped for, as the matter is of great interest and, if submitted in a satisfactory form, may be of great advantage to the club. In any case the matter should be at least looked into very thoroughly and opinions from as many as possible will be of material assistance in arriving at a correct conclusion. A.

Cincinnati.

BUSINESS A LITTLE DULL —FAIR SHIPPING TRADE.—GLOOMY OUTLOOK FOR THE CHRYSANTHEMUMS —CRITCHELL'S NEW STORE —CHRYSANTHEMUM COMMITTEE. —ACCIDENT TO C. C. MURPHY —DEATH OF GEO. MEEK.

Business last week generally speaking was a little dull. Our wholesale houses, however, report a fair shipping trade. Chrysanthemums are now becoming plentiful, but they are not sought after as in former years. The outlook for these flowers is rather gloomy; they are selling at from 75 cents to $1.50 per dozen and very slow at those figures. In roses Beauty has the best sale and the supply is equal to the demand. Smilax has been scarce all fall but will soon come in more freely. Valley is in brisk demand and is selling at $4.

The new store of Critchell's Sons has been fitted up with a very large and up-to-date ice box. It occupies a prominent place in the center of the room and is of the latest C. C. Schmitt & Co., patent. The box complete measures 6x8x18 feet. The front consists mostly of French plate glass permitting a view of the entire inside, which is furnished with five electric lights.

On October 16 several vases of chrysanthemums were staged here before our honorable judges, Messrs. Walz and Witterstaetter. One variety sent by Mr. Rudd, of Chicago, was a bronze with yellow, good flower, strong stem and foliage, but color considered not desirable. Boundless Snow, raised by H. Yoshiike, Oakland, Cal., and grown by E. G. Hill & Co., was also shown. The judges were favorably impressed with this variety. Flower large creamy white, measuring 8 inches in diameter, Japan type, reflexed, certificate. Fred. Walz exhibited a yellow sport of Mrs. H. Robinson. The color is a pleasing canary yellow, growth, foliage and stem identical in every way with parent.

C. C. Murphy, of Beechwood Place, West, Price Hill, is confined to his home suffering from a number of bruises as the result of being thrown out of his wagon Saturday night. The accident happened on Sixth near Elm street and he had to be taken home in a carriage. The boys wish him a speedy recovery.

Mr. Geo. Meek, the well known florist of Covington, Ky., died Monday night October 18, at his home, 416 Scott street, after a week's illness of quick consumption. A special meeting of Myrtle Lodge No. 5, K. of P. was called Tuesday evening to take action and make arrangements for the funeral of brother Meek. He was an active member of the uniformed rank. George was widely known on this side of the river and his many friends will be shocked to learn the sad news. The bereaved family has our deepest sympathy. H. SCHWARZ.

A Free Flowering Chrysanthemum.

I send with this a photograph of a chrysanthemum that originated with us, being a seedling of 1896, of unknown parentage. The first flower appeared September 26, 1896, and at Easter, 1897, quite a number of flowers were cut from it. On August 28, 1897, another crop of flowers was open, and it has flowered continuously since that time. When the photograph was made (October 15) there were thirty flowers and buds on the plant, which is growing in a 5-inch pot, is but 11 inches high above the top of the pot and has had no special care, and no food except what was in the soil, the water and the air.

The flowers are white and in its present unfed condition are from one to two inches in diameter, showing some yellow tubular flowers in the center. It will prove useful for cutting from, and for sale as a flowering plant, and may be the beginning of a race of perpetual chrysanthemums. W. T. BELL.

Franklin, Pa.

San Francisco.

TRADE UP TO STANDARD.—'MUMS BRING GOOD PRICES —SHIPPING TRADE GOOD — PAUL BERKOWITZ VISITS THE COAST.— VARIOUS ITEMS.—CHRYSANTHEMUM SHOWS —CHRYSANTHEMUMS AT MENLO PARK.—GOOD CARNATIONS.

Trade has been up to the standard for the season, during the past few weeks. Nearly all kinds of cut flowers are selling at good prices. Chrysanthemums are holding up very well. Good ones bringing good prices, Queens, Robinsons and Bonnaffons bring from 75 cents to $1.50 per dozen and a large quantity of each is disposed of daily. Small flowers of the different 'mums can be had in any quantity at low prices. The street fakirs are now swarming around the principal corners with large bunches of 'mums for a nickel, but the flowers are generally old and withered. Roses are of a very fair quality and are commanding good prices.

Violets are coming in in limited quantities and selling very good, Marie Louise being the only variety that we have in quantity.

The growers report shipping trade as very good and the prospects for a large trade this season are bright. Smilax and asparagus are plentiful but as yet the demand is not very good. The sale of palms and ferns is also limited. Carnations are rather scarce and selling at good prices.

Mr. Paul Berkowitz, representing H. Bayersdorfer & Co., of Philadelphia, is in this city in the interests of his firm. This is Mr. Berkowitz's first trip to this city and he is much impressed with the amount of business the florists are doing.

Mr. Lester L. Morse, of C. C. Morse & Co., Santa Clara, was in town during the week.

Mr. John Davie paid a visit to Menlo Park last Sunday to see the large display of chrysanthemums.

E. Rosaia & Co. have opened a flower store at 63 Fourth street corner of Jessie. They have had the store fitted up in good style and are sure of success.

J. M. Cleis's new store on Valencia street has an elegant display of chrysanthemums and other cut flowers and is undoubtedly the largest store on that street.

The chrysanthemum show of the Redwood City Floral Society will be held in Redwood City beginning on the 21st and ending on the 23d. To induce the professional growers to compete, cash prizes have been offered for the different exhibits of chrysanthemums, roses and carnations.

The flower show of the California State Floral Society takes place this month in this city. It will last one day only and no admission fee will be charged; certificates of merit will be awarded the successful competitors instead of cash prizes as formerly.

A visit to M. Lynch's greenhouses at Menlo Park is very interesting at present. Mr. Lynch has just completed a very large lath house to be used for palms. The chrysanthemum field is the most interesting at the present time. This season there are about 33,000 plants grown, confined to the chief commercial varieties. Queen is not so much in evidence as in former years on account of its poor shipping qualities, Mrs. Robinson having taken its place. Many thousand Bonnaffon are now in bloom and present a very beautiful sight. They have a yellow sport from the King of Chrysanthemums which is very fine and promises to become a leading cut flower variety. Quite a lot of Dailledouze is also grown. Ivory is about over as also is Whilldin. H. E. Widener is grown for a late yellow. Geo. W. Childs is the leading red. Less Niveus are grown this seasoa on account of its tendency to rot in damp weather. Mr. Lynch reports the shipping trade as very excellent and good prices prevailing.

Your correspondent has seen some grand carnations this week coming from T. Thompson the well known carnation speciallst of Santa Cruz. The climate of that city seems to be particularly adapted to the growing of this popular flower as might be seen by the size of the blooms. His blooms of Flora Hill, Dean Hole and Redondo were very fine, as also was some well grown Jubilee; Della Fox also showed up to good advantage.

Mr. John Gilmore, who recently took charge of Mr. Pottet's large range of glass in this city, has his stock in fine condition and judging from the looks of he place one can expect to see some very elegant stock sent out from this establishment during the coming season.

METEOR.

Toronto.

PECULIAR WEATHER.—BUSINESS INCREASING LITTLE BY LITTLE.—CHRYSANTHEMUMS AND ROSES.—SHOW ARRANGEMENTS TO BE SETTLED.

There appears to be a dearth of news this week; the very peculiar weather we are getting this month seems to be the most prolific subject for conversation. Friday, the 15th inst., the thermometer jumped up to 86°, and Saturday was very warm and close, but on Sunday night and Monday morning there was a sharp hoar frost. A kind of see-saw between the equator and the north pole. Has any one ever taken sufficient notice of the seasons to know whether there is any truth in the saying that when there are plenty of berries there will be a hard winter and vice versa? There are very few berries about here this year, the Mountain Ash trees being almost bare.

Cut flower business is increasing little by little and florists' store windows are getting more and more gay now. Of course chrysanthemums are the staple just now, and there really are some very fine ones to be seen. The wholesale price appears to be all the way from 20 cents to $1 a dozen. Roses I see in one of the principal store windows are offered to the public "from 50 cents a dozen."

The Gardeners' and Florists' Association will to-night settle all the show arrangements. The executive committee will recommend Mr. Geo. Vair for superintendent, Mr. S. Aylett, of Hamilton, for judge of plants and Mr. Gammage, of London, for judge of cut flowers and made-up work.

E.

Buffalo.

DECIDED IMPROVEMENT IN BUSINESS—CHRYSANTHEMUMS SELL WELL.—BULBS.—FOREST FIRES.—DEATH OF GEO. H. LEWIS.—VISIT FROM MR. PETTIGREW.—MR. REBSTOCK HAS A NEW SON.

There is a decided improvement in business of late, not only that which is reasonably expected when frost has killed all outside flowers, but a little more than that. There is a better demand than there has been at this time for several years. Chrysanthemums are in good demand and open none too fast to meet the sales. Yellow Monarch is gone and now Yellow Queen and Lager fill the bill, although Lager with us is decidedly several days earlier than the Queen. How well this good chrysanthemum was named, for it is a queen. Like the queen across the water it reigns a long time, being among the earliest, and if not cut off in its prime grows more beautiful with age and outlasts all contemporary monarchs. Carnations are daily coming in in increased quantity and of good quality. Violets are in fair demand and there is no more than enough to keep our friends supplied.

The duty that Mr. Dingley and the florist committee who went to Washington put on bulbs has been the means of shortening up the supply of tulips, hyacinths, etc., and there is none too many to go round. There will, I expect, be a much smaller quantity forced than for several years, so we can sell our carnations and roses instead, which is entirely in keeping with the views of that worthy protectionist and eminent political economist of Saddle River, N. J.

There is at this writing a dense cloud of smoke hanging over this city, and most likely over a large section of this country. Smoke from forest fires is making a dull day of what would be lovely Indian summer. The fires are getting serious and exist in all directions. I shiver for the fate of many country villages should a breeze and a fire come together. Canada as usual is to blame for our present troubles. There are hundreds of acres burning up a few miles back of the Niagara river. With no rain worth recording for two months the ground is so dry that no planting or transplanting can be done.

I have to record the sudden death of Mr. George H. Lewis, a very prominent business man of this city and a patron of horticulture. Many of the florists who attended the convention here in 1889 will remember the beautiful residence hotel "The Niagara," at which they stopped and many more visited. Mrs. Lewis is an ardent lover of plants and flowers, and from a humble beginning their beautiful private establishment now consists of a fine range of houses, at present presided over by Mr. Fitzwilliams.

An unexpected visitor this morning was Mr. Pettigrew, of Boston. A brief chat and then he was handed over to the care of Mr. McMillan, who would doubtless run up against Prof. Cowell, of the South Parks, and then specific and generic names will fly upward like sparks at the village smithy. I have just learned that Mr. Joseph H. Rebstock has been very recently presented with a dear little son and everybody is progressing favorably. We will surely now have a change of weather.

W. S.

Kansas City, Mo.

THE CHRYSANTHEMUM SHOW.—FINE 'MUMS.—BUSINESS QUIET.

The preparations for the third annual chrysanthemum and flower show of the Kansas City Florists' Club are being pushed along at a good rate and it will be held this year at what is known as the Kansas City Home Product Show building, 1221 and 1223 Main street. The committee have enough 'mums, etc., in sight to occupy at least three floors of the immense building and will have the best show yet held here. The show has been advertised to a finish this year, owing to a little disagreement amomg the members, which resulted in one or two dropping out of the club, the results of too much "amateur" members and of allowing them to run things. It is to be hoped that this will get fixed up by show time.

There are a great many more 'mums being grown here than ever, and all are looking well. The Heites in particular show some fine ones; it don't seem possible to beat some of their 14-inch plants for size; they are like the top of a tree cut off and stuck in a pot. Business generally is very quiet.

W. J. B.

Sedamsville, O.

R. Witterstaetter has made considerable improvement in his plant this summer, adding three houses short span to south. The new white carnation Evelina is doing nobly and will be one of the strongest candidates for honors this season.

V. M. C.

THE ANNUAL CHRYSANTHEMUM Number of the AMERICAN FLORIST will be issued November 13. It will be as handsomely gotten up as any issued in previous years and will contain many striking original features. Though this number will give advertisers extra value there will be no increase in rates. Send advs. early.

THE AMERICAN FLORIST

Subscription $1.00 a Year. To Europe, $2.00.
Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agate; Inch, $1.40; Column, $14.00. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. No reduction made for large space.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY. Please to remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

Society of American Florists.

President Graham has appointed Mr. Geo. M. Kellogg, of Pleasant Hill, Mo., a member of the executive committee of the S. A. F., to fill out the unexpired term of Mr. J. Chas. McCullough, who has resigned owing to business demands which prevent his devoting the necessary time to the duties of the office.

Lilium Harrisii Bulbs.

Knowing Lillum Harrisii bulbs are generally considered valueless after flowering I thought it might be of interest to your readers to know that our L. Harrisii planted out in the garden after flowering have matured better bulbs this season than our imported ones.

RICHARD UTTENWEILER.
University of Illinois, Champaign, Ill.

SEASONABLE
FLORISTS' SUPPLIES

Immortelles and Moss Wreaths. Cycas and Calax Leaves. Fresh Cape Flowers.

Baskets, Jardinieres, Stands, Fern Dishes, also all Funeral Requisites, Doves, Inscriptions, Metal Designs, Dried and Artificial Flowers, and our Special Patent Ribbon Letters.

Ours is the largest Sheaf manufactory in the country. We give extra quality, extra weight.

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56 N. Fourth St., PHILADELPHIA, PA.

M. RICE & CO.
Importers and Manufacturers of
FLORISTS' SUPPLIES
25 N. FOURTH STREET,
PHILADELPHIA, PA.
FALL CATALOGUE NOW READY.

THE COLORADO FLORISTS' EXCHANGE CO.
(Incorporated. Paid up Capital $2000.00.)
Cut Flowers and Florists' Supplies
WHOLESALE ONLY.
1709 Curtis Street, DENVER, COLO.
☞ The dry climate of Colorado enables our growers to grow the best Carnations on earth.
We handle 75 per cent of the Carnations grown in Colo.

CUT SMILAX.
LONG, STRONG STRINGS, just the kind you want for that Wedding Decoration. 100 strings, $12.00; one dozen strings, $1.50; one string, 15 cts. We want $2.75 for 150 Smilax Plants that are too large for 3-inch pots.
D. WM. BRAINARD, Florist,
Greenhouse, Pease St., Thompsonville, Conn.

Wholesale Markets.

Cut Flowers.

	ST. LOUIS, Oct. 21.
Roses, Beauties	20.00@25.00
" " short	5.00@15.00
" Meteors, Kaiserin	2.00@ 5.00
" Brides, Maids	1.00@ 4.00
" Mermets, La France	2.00@ 5.00
" Perles, Wootton	1.00@ 2.00
Carnations fancy	2.00
" common	1.00
Cosmos	.25
Valley	4.00
Violets single	.25
" California	.40
Chrysanthemums fancy	10.00@25.00
" common	5.00@ 8.00
Smilax	15.00@18.00
Adiantum	1.00
Asparagus	25.00@50.00

	CINCINNATI, Oct. 21.
Roses, Beauty select	20.00
" " medium	10.00@15.00
" short	4.00@ 8.00
" Brides, Bridesmaids	2.00@ 4.00
" Meteors, Morgans	2.00@ 4.00
" Perles	2.00@ 3.00
Carnations	.75@ 1.00
" fancy	1.50
Valley	4.00
Chrysanthemums extra	12.50@25.00
" medium	6.00@10.00
Cattleyae	50.00
Smilax	12.50@15.00
Adiantums	1.00
Asparagus	50.00

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.
☞ A complete line of Wire Designs.

MOUND CITY CUT FLOWER CO.
Wholesale Florists.
CONSIGNMENTS SOLICITED
Special attention given to shipping orders
1322 Pine St, ST. LOUIS, MO.

H. L. SUNDERBRUCH CO.
WHOLESALE
COMMISSION FLORISTS,
4th and Walnut Streets,
Consignments Solicited. CINCINNATI, O.
Special attention given to shipping orders.

N. B. N. B.
GROWERS,
Dealers and Buyers,
We are **OPEN AND READY FOR BUSINESS**
AT
4 Ordway Place, BOSTON, MASS.
GALVIN & CO.
Wholesale Florists and Dealers in all Florists' Supplies

Fully equipped for Cut Flower Consignments, and can command the best market.

VAUGHAN'S XXX "Get There"
XMAS HOLLY.
WRITE OR TELEGRAPH
Every case re-inspected by us. "A case of Holly in front of the store is worth four in the woods." We try to make delivery of **GOOD HOLLY "the rule"** not **"the accident".**
J. C. VAUGHAN, 84-86 Randolph St., Chicago.

IT'S A MISTAKE
TO THINK
"ANY OLD THING"
will answer for a Refrigerator to keep flowers in. Those up-to-date are made by the
Chocolate Cooler Co., Grand Rapids, Mich.
SEND FOR CATALOGUE.

John Conley & Son,
Manufacturers of
TIN FOIL
2 AND 4 DOMINICK STREET,
New York.

Boston Florist Letter Co.


This wooden box nicely stained and varnished, 18x30 x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1 1-2 or 2 inch size, per 100, $2.00
Script Letters, $4.00
Fastener with each letter or word
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.
N. F. McCARTHY, Treas. & Manager.
FACTORY, GREEN ST. BOSTON, MASS. OFFICE, 84 HAWLEY ST.
When writing mention the AMERICAN FLORIST.

BERLIN, ONT.—H. C. Shaw has sold his greenhouses, consisting of 8,500 feet of glass, to B. E. Wadsworth, and the establishment will hereafter be known as the Rosehurst Conservatories. A general retail and wholesale business will be carried on.

NEW ORLEANS.—The New Orleans Horticultural Society will not hold any chrysanthemum show this fall.



A. L. Vaughan. Chas. W. McKellar. E. F. Winterson.

Vaughan, McKellar & Winterson,

WHOLESALE

COMMISSION JOBBERS

In **Cut Flowers, Plants, Bulbs, Seeds, Xmas Holly, Bouquet Green,** and all **Florists' Supplies.**
Manufacturers of **Wire Work.** Write for quotations.

45, 47, 49 Wabash Ave., CHICAGO, ILL.

When writing mention the American Florist.

A. L. RANDALL,

Wholesale Florist,

126 Dearborn St., CHICAGO.

Agent for finest grades Waxed and Tissue Papers

W. E. LYNCH,

Consignments Solicited. **CUT FLOWERS.**

All Florists' Supplies.

19 & 21 RANDOLPH STREET,

Fine Stock a Specialty. **CHICAGO.**

Wholesale Market.

Cut Flowers.

	CHICAGO Oct 22.
Roses, Beauties, long	15.00@20 00
" " medium	6.00@10.00
" " short	4.00@ 6.00
" Brides, Bridesmaid	2.00@ 5.00
" Meteors, Testont	2.00@ 4 00
" Kaiserin	2.00@ 5.00
" Carnot	5.00
" Niphetos, Perle, Gontier	1.00
Carnations	.50@ 1.00
" fancy	1.50@ 2.00
Valley	5.00
Cosmos	.25
Chrysanthemums extra	10.00@15.00
" medium	5.00@10.00
Adiantum	.75
Smilax	10.00@12 00
Asparagus	50.00

MUMS

The CHRYSANTHEMUMS which we handle are grown by Specialists who capture the prizes in their classes at the Flower Shows.

Buyers should appreciate the advantage of purchasing their stock from Headquarters, where the finest flowers in the largest variety can be obtained. Price list mailed on application. .. .. ..

We shall meet prices on competition stock.

ILLINOIS CUT FLOWER CO.,

J. B. DEAMUD, Mgr. 51 and 53 Wabash Avenue, CHICAGO.

Phone Main 1143.

When writing mention American Florist.


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SPECIAL ATTENTION PAID TO SUPPLYING WHOLESALE DEALERS.

Write for Prices.

—ALSO DEALER IN—

BOUQUET GREEN, SPHAGNUM MOSS, CHRISTMAS TREES,

Etc., Etc., Etc.

L. B. BRAGUE, - Hinsdale, Mass.

☞Oldest, Largest, and Most Reliable Dealer in the United States.

When writing please mention American Florist.

A. G. Prince & Co.

WHOLESALE CUT FLOWERS

AND FLORISTS' SUPPLIES,

88 & 90 Wabash Avenue,

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Prompt Attention to all Orders.

BRILLIANT GREEN AND BRONZE

GALAX LEAVES,

For Decorating and all Florists' Designs.

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41 WABASH AVENUE,

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HEADQUARTERS FOR AMERICAN BEAUTIES.

CUT SMILAX

15c. per String.

Home-grown SMILAX SEED, 50 cts. per oz.

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CUT FLOWERS,

SUPPLIES.
SEEDS,
TOOLS,
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FOR THE TRADE ONLY.

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76 & 78 Wabash Ave., CHICAGO.

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Wholesale Cut Flowers

and FLORISTS' SUPPLIES,

88 Wabash Avenue, CHICAGO.

WIRE WORK A SPECIALTY.

WINTER & GLOVER,

21 Randolph St., CHICAGO.

HIGH GRADE **CUT FLOWERS,**

PACKED RIGHT,

so they will reach you in just as good condition as they reach us.

WIRE DESIGNS: A Full Line. Write us for our Illustrated Catalogue.

Mention American Florist.

Bassett & Washburn,

Successors to J. B. DEAMUD & CO.,

GROWERS and WHOLESALE DEALERS in **CUT FLOWERS,**

88 Wabash Avenue,

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HEADQUARTERS FOR AMERICAN BEAUTIES.

REINBERG BROS.

WHOLESALE

GROWERS OF CUT FLOWERS.

500,000 FEET OF GLASS.

We can fill all orders on short notice with all leading varieties of Roses and Carnations.

We ARE Headquarters for fine AMERICAN BEAUTIES

Give us a trial and convince yourself.

Salesroom, 51 Wabash Ave., CHICAGO.

Mention American Florist.

E. C. AMLING,

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COMMISSION FLORIST,

88 WABASH AVENUE,

Consignments Solicited. **CHICAGO.**

Prompt attention to shipping orders.

HEADQUARTERS in Western New York. Try us.

ROSES, CARNATIONS, and ALL KINDS OF SEASONABLE FLOWERS IN STOCK.

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Also Dealer in Florists' Supplies and Wire Designs.

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SAMUEL S. PENNOCK, Wholesale Florist,
1612 & 1614 Barker Street,
(Bet. Market and Chestnut),
PHILADELPHIA, PA.
Fine stock of choice Beauties, Maids, Brides, Kaiserins, etc. now coming in, at bottom prices.

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Wholesale Florist,
No. 1403 Fairmount Avenue,
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EVERYTHING YOU WANT IN CUT FLOWERS
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1526 RANSTEAD STREET,
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Mention American Florist when writing.

CONSIGN TO BUY FROM
M. A. HART,
Commission DEALER IN Cut Flowers,
113 WEST 30TH STREET,
NEW YORK CITY.
THE BEST MARKET IN NEW YORK.
Mention American Florist.

Wholesale Markets.

Cut Flowers

	NEW YORK Oct. 20.
Roses, Beauty, extra	10.00@25.00
" " medium	3.00@ 8.00
" " culls	.50@ 1.00
" Bride, Bridesmaid, Meteor	.50@ 3.00
Carnations	.35 @ 1.00
Valley	1.00@ 2.00
Violets	.50@ .75
Chrysanthemums	2.00@12.00
Adiantum	.50@ .75
Smilax	8.00@10.00
Asparagus	40.00@50.00
	BOSTON Oct. 20.
Roses, Beauties	6.00@25.00
" Gontier, Perle	1.00@ 2.00
" Bride, Bridesmaid, Meteor	2.00@ 5.00
Carnations	.75@ 1.50
Valley	2.00@ 4.00
Chrysanthemums	4.00@16.00
Adiantum	1.00
Smilax	10.00@12.00
Asparagus	50.00
	PHILADELPHIA. Oct. 20.
Roses, Beauties select	20.00
" " medium	12.00@16.00
" " short	6.00@ 8.00
" Brides, Maids	2.00@ 4.00
" Meteors, La France	2.00@ 4.00
Carnations	.75@ 2.00
Valley	3.00@ 4.00
Chrysanthemums fancy	5.00@25.00
" ordinary	8.00@12.50
Violets, double	.50@ .75
" single California	.25@ .40
Smilax	10.00@20.00
Adiantum	.50@ .75
Asparagus	35.00@50.00

John I. Raynor,
49 WEST 28th STREET,
NEW YORK.

SPECIAL EXTRA STOCK OF
AM. BEAUTY, METEOR,
BRIDESMAID, BRIDE.

Record Breaking Carnations
ALL THE YEAR ROUND.

American Beauty
and all other choice Roses in unexcelled quality.
Carnations, Mignonette, Orchids and Valley.
THOS. YOUNG, Jr.,
43 W. 28TH ST., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE
FLORIST,
39 West 28th Street, NEW YORK.
Roses shipped to all points. Price list on application.

Edward C. Horan,
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WHOLESALE • FLORIST.
Careful Shipping to all parts of the country. Price list on application.

CITY HALL CUT FLOWER MARKET,
9 Chapman Place, 15 Province Street, BOSTON, MASS.
WELCH BROS., PROPRIETORS.
Consignments from regular growers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.
THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

TRAENDLY & SCHENCK,
Wholesale Florists,
Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.
38 West 28th St., and Cut Flower Exchange,
Tel. 961 18th Street. NEW YORK CITY.

MISPLACED CONFIDENCE
is something the florist never suffers from, who places his **FLOWER ORDERS** with the old and reliable
J. K. ALLEN,
57 West 28th St., NEW YORK CITY.
Telephone 382 38th St.

JAMES M. KING
is completing additions which will make his store THREE TIMES AS LARGE as at present.
CUT FLOWERS, WHOLESALE.
Good Inducements to Good Growers.
49 WEST 29TH ST., NEW YORK.
TELEPHONE 1675 38th St.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE A. SUTHERLAND,
Cut Flowers AND Florists' Supplies
WHOLESALE.
67 Bromfield St., BOSTON, MASS.

Wholesale Florists
ALWAYS ON HAND:
CARNATIONS,
BRIDESMAIDS,
BRIDES.
JOBBERS IN
FLORIST'S
SUPPLIES.
N. F. McCarthy & Co.
FLORISTS' VASES.
Horticultural Auctioneers.
84 HAWLEY STREET, • BOSTON.

Asparagus Plumosus Nanus.
Strings 10 to 12 feet long,
50 CENTS.
W. H. ELLIOTT, Brighton, Mass.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
Price list on application.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.

JULIUS LANG,
Cut Flowers on Commission.
53 WEST 30TH STREET,
.... NEW YORK.

MacDONALD & McMANUS,
WHOLESALE DEALERS IN CUT FLOWERS,
SOLICIT SHIPMENTS ON COMMISSION.
50 W. 30th Street, NEW YORK.
Telephone 2778--38th Street.
BEST MARKET PRICES GUARANTEED.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

CLOSE OBSERVERS of political ways have noted that the seed contract went to Ohio, yet all admit fairness in the award and that the lowest bidder won.

ROCHESTER, N. Y.—James Vick's Sons are removing from their location near the N. Y. C. R. R. depot to more spacious quarters on Elm street near Main, where they have added conveniences and more room.

AMONG THE FIRMS represented at Washington at the time of the recent Government purchase were Robert Buist, D. Landreth & Sons, Jerome B. Rice & Co., Peter Henderson & Co., Joseph Breck & Sons, while a dozen or more other firms submitted proposals.

VISITING CHICAGO.—J. A. Everitt, seedsman, of Indianapolis; H. M. Claire, with S. L. Allen & Co. (Planet Jr.); James Comont, of Messrs. Carter & Co., London; J. C. McCullough, Cincinnati; S. Y. Haines and Miss C. H. Lippincott, Minneapolis; C. C. Bowen, of D. M. Ferry & Co., returning from a western trip.

TELEGRAPHIC ADVICES from Washington indicate that the Henry Phillips Seed & Implement Co., Toledo, O., were awarded the entire Government contract for vegetable and flower seeds for the sum of $69,427, to be put up in packets at Toledo, O. The highest bid was that of the Cameron Seed Co., of Nebraska, who offer to supply the list for $143,983. Messrs. Phillips & Son are certainly to be congratulated on securing such an important order.

Montreal.

INDICATIONS OF BETTER TIMES.—FIRST 'MUMS.—THE CHRYSANTHEMUM SHOW.—A. T. MARTIN INSOLVENT.—NEW STORE.—CEMETERY SELLS PLANTS.—MR. BAIN'S IMPROVEMENTS.

If the readers of the FLORIST have not had much news from the metropolis of Canada it must not be imagined that we have been sleeping or idle; it was only owing to the little animal who had charge of this department being too much engrossed in his own personal affairs to give the necessary time to weekly notes.

The indications of better times for the florist are already very marked. The trade during the past summer has been the best in several years, and there is every reason to hope that it will continue on the same lines through the winter. The weather all summer was very unfavorable to the production of good flowers, it being cold and wet in the early part and excessively dry during the last three months. Carnation plants as a rule were about half the size of last year, but perhaps they will give better results, as they are firmer and better able to resist disease.

The first 'mums made their appearance in the shops on October 1, being just in time to take the place of the late branching asters, which were cut down by frost on the night of September 30. Roses have been plentiful all the fall and of fair quality, but carnations have not commenced to come in in any quantity yet.

The committee having the chrysanthemum show in hand intend to leave nothing undone to make the show of '97 the best ever attempted in Canada. Elaborate plans for the laying out and decoration of the hall are in course of preparation and will be on lines altogether different from anything heretofore attempted in the Windsor Hall. The doors will not be opened to the public until 8 o'clock in the evening, and owing to absence in England of the honorary president, Lord Mount Royal, there will be no formal opening, as has usually been the custom. The admission on the opening night will be 50 cents and on the other two days 25 cents. The dates are 9th, 10th and 11th of November.

The insolvency of A. T. Martin, the florist, has been announced, with liabilities of over $24,000.

T. E. Gorman, of Outremont, has opened a store on Dorchester street, and he has also added about 2,000 feet of glass to his establishment.

The management of Mount Royal cemetery have launched into commercial floriculture on a large scale. I am told that their output of plants the past season was very large.

S. S. Bain has added some glass and rebuilt part of his plant, making his place one of the best equipped establishments in the neighborhood. He has been very successful with his roses this season.

JAMES MCKENNA.

Leominster, Mass.

Jos. Fuller has built a fine carnation house this season 30x130. Mr. Fuller is cutting chrysanthemums of superior quality and is one of the few with whom Golden Wedding chrysanthemums do well, the foliage being luxuriant and clean, and with no traces of the trouble experienced by most growers.

In the neighboring town of South Lancaster chrysanthemums of the highest grade are grown by the private gardeners generally. E. O. Orpet places Sunderbruch at the head of the list of early yellows. At the new Bayard Thayer estate, where Jas. Bryden is in charge, a big artificial pond or tank is being constructed for aquatic plants. It is over 100 feet in length and about 60 feet at the widest part, irregular in outline and cement lined. It will be fed by a natural brook, and when this runs short hydrant water can be turned on.

Jos. Clarke is making extensive improvements in the grounds of which he has charge, which necessitates the removal of many large conifers.

Everywhere in this section violets do well and are a favorite crop. Campbell is the variety most largely planted.

PREPARE ADVS. now for our annual Chrysanthemum Number to be issued November 13.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—By young man, good grower of roses, carnations, 'mums, etc.
GEO. SPENCER, 2 N. First St., W. Knoxville, Tenn.

SITUATION WANTED—As fireman or assistant; 9 years' experience, single. References given. Address FLORIST, 67 Bromfield St., Boston.

SITUATION WANTED—As assistant in commercial or private place, single, age 25; good references. Address G J, care American Florist.

SITUATION WANTED—By young man; year's experience. Good place more of an object than wages. Address W, care American Florist.

SITUATION WANTED—By a grower of roses, carnations and general greenhouse stock. References if required. Address F E, Norwalk, O.

SITUATION WANTED—Man experienced in growing roses, palms and general greenhouse plants; age 25, married. Address R D, care Am. Florist.

SITUATION WANTED—Married, age 35; 9 years' experience; American. Best of recommendations. Southern or western states preferred.
E. E. BLOOMFIELD, Nashville, Tenn.

SITUATION WANTED—By an experienced single florist, as working foreman; is at present managing a business of over 6000 feet of glass (over 4 years in present place). Best of references. Address P L, care American Florist, Chicago.

SITUATION WANTED—By a competent florist and gardener; 17 years experience in growing cut flowers, tropical plants and general stock. A first-class designer and decorator; age 32, single. Address HERMAN SCHUMANN, 3001 Wallace St., Chicago.

SITUATION WANTED—As foreman by a thoroughly competent practical man as grower for roses, carnations, 'mums, violets, and general cut flower grower; competent in all the different departments of the trade; able to prove what he pretends to be. Address FLORIST, care Mr. Vincent, McHenry St., Cincinnati, O.

SITUATION WANTED—In commercial or private place by single man; 16 years' experience in orchids, palms, ferns, stove plants, etc. Also well posted in growing of cut flowers. Good designer and decorator. First-class references South or California preferred. Address with particulars, ORCHIDS, care American Florist.

SITUATION WANTED—By florist; life experience in all branches of the business; as manager or foreman of private or commercial place in or around Boston preferred. Married, age 30. Highest references. None but those requiring a practical man need apply. Address EASTERN FLORIST, care W. J. Stewart, 67 Bromfield St., Boston.

WANTED—Two assistants in greenhouse; wages $9.00 per week. References required. Address J. A. PETERSON, Westwood, Cincinnati, O.

WANTED—An experienced fireman, sober and thoroughly reliable. Address PROBST BROS. FLORAL CO., Kansas City, Mo.

WANTED—To buy for cash, a florist establishment in good repair, within 30 miles of New York City, containing from 6,000 to 10,000 feet of glass and about five acres of land suitable for rose, carnation and violet culture. Submit only your best figures to R. BARD, 304 W. Genesee St., Syracuse, N. Y.

FOR SALE—Two greenhouses, heated with hot water; dwelling house attached. Address ILLINOIS, care American Florist.

FOR SALE—Five greenhouses and dwelling, 50 miles from Chicago. Will sell or trade right away. Address MRS. I. N. PARTRIDGE, Sycamore, Ill.

FOR RENT—Greenhouses, with 8 room cottage, 4700 feet of surface, 35 miles from Chicago, in good order, at low rent. Address E. W. UPHAM, Waukegan, Ill.

FOR SALE—In Warren, R. I., 5 greenhouses, nice 6-room cottage, barn, sheds, shops, etc.; about 10 acres of good land; young orchard, shade trees and grapevines. Greenhouses and cottage heated with hot water. Windmill supplies water over the premises. Can be bought on easy terms. Apply to O. H. NYE, Warren, R. I.

A RARE OPPORTUNITY.

FOR SALE—Florist store on Broadway between 31st and 32d sts. and opposite one of the most prominent hotels in New York. Weekly profits up to the present time $100. Rent very low. Will dispose of same very reasonably. Reasons for selling, other large business takes my entire time.

J. FLEISCHMAN, 25th St. & Broadway, New York.

FOR SALE.

Greenhouses in one of the best cities in Wisconsin. A good investment and a money maker for a hustler. Owner must retire on account of poor health.

For particulars write **ELLIS & POLLWORTH, Milwaukee, Wis.**

Wanted.

Resident traveler in western territory familiar with the Plant, Bulb and Seed trade. State particulars, experience and references.

HENRY A. DREER,
Lock Box 1618, PHILADELPHIA.



Send your address for my illustrated catalogue of these superb flowers.
M. B. FAXON, Boston, Mass.

CYPERUS ALTERNIFOLIUS.

2½-inch pots . . . . . 40 cts. per doz.; $2.50 per 100

GREVILLEA ROBUSTA.

2½-inch pots . . . . . 40 cts. per doz ; $2 50 per 100

ASPARAGUS TENUISSIMUS.

3-inch pots . . . . . 50 cts. per doz.; $3.50 per 100

CALIFORNIA VIOLETS.

Field grown . . . . . $1 00 per 100

CARNATIONS.

Mapledale (new). . . . . $8.00 per 100

Medium sized plants of the following standard varieties, $4.00 per 100: Portia, Wm. Scott, Della Fox, The Stuart, and Tidal Wave.

NATHAN SMITH & SON, Adrian, Mich.

PALM Seed.

FRESH ON HAND

ALL SEASONABLE VARIETIES.
Prices for select seeds quoted on application.
J. L. SCHILLER,
404 E. 34th St., NEW YORK CITY.



PALMS AND FERNS.

The LARGEST STOCK west of New York.

GEO. WITTBOLD, 1708 N. Halsted St., CHICAGO

Bulbs

Of any kind quoted f. o. b. at lowest rates, by

HULSEBOSCH BROS., Englewood, N. J.

ASPARAGUS PLUMOSUS PLANTS,

3-inch.....$8.00 per hundred.
4-inch.....10.00 per hundred.

FIELD-GROWN CARNATION PLANTS.

Portia, Hector, McGowan, T. Cartledge, Daybreak, Fisher, 4000 Alaska, $5.00 per 100. CASH WITH ORDER.

F. BURKI, Bellevue, Pa.

2c. CINERARIAS. 2c.

We have a large stock of the choicest strain of Dwarf, Large-Flowering Cinerarias, which we put at this low figure

2¼-in , ready to shift, $2 per 100; $15 per 1000.
500 at 1000 rate. Extra plants added.

WHITTON & SONS, Wholesale Florists,
City and Green Streets, UTICA, N. Y.

BOUGAINVILLEAS.

Beautiful for "cutting" or pot sale.

Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests.

Send for "Comments and Facts."

THEO. F. BECKERT, Glenfield, Pa.
9 miles below Pittsburg, Pa.

BEGONIAS Pres. Carnot and M. De Lesseps, fine plants from 2½-inch pots, 2c. Argenea Guttata Sandersonii and Hybrida Multiflora from 2-inch pots, 1c. Pres. Carnot, 3-inch pots, elegant plants for stock, 4c.

GERANIUMS, White Swan and Bruant, from 2-in. pots, $1.00 per 100.

ARTILLERY PLANT, nice plants from 2-in. pots 2c.

JESSAMINE GRACILLIMUM, from 3½-in. pots 2c.

FAIRVIEW FLORAL CO., Beatty, O.

JUST ARRIVED.

Choice Stock Imported Japan Lily Bulbs.

AURATUM,	7 to 9 inch.	Per 100	$4.75
"	9 to 11 "	"	6.00
RUBRUM,	7 to 9 "	"	5.50
"	9 to 11 "	"	7.50
ALBUM,	7 to 9 "	"	7.50
"	9 to 11 "	"	8.50

Special Prices on large lots.

Headquarters for CHINESE SACRED LILIES.

One of the best selling bulbs for the retail counter.

STRICTLY CHOICE STOCK, lots of 120 at 4½ cts. each; $42 per 1000.
Write for prices on quantities.

BOOK YOUR ORDERS NOW

for our **"GET THERE"** Brand

Xmas Holly and Bouquet Green.

We can take care of same to YOUR ADVANTAGE.

Azaleas, all sizes.

NOW READY.

New Importation Fancy Baskets.

We still have a fair assortment of DUTCH AND FRENCH BULBS. Will make Special Prices to close them out.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

W. and D's. CELEBRATED "Sure Crop" Mushroom Spawn. SPECIAL quotations to LARGE buyers.

ALL KINDS OF BULBS—
Lilium Harrisii, Freesias, Roman Hyacinths, Narcissus, etc., etc. Special prices on application.

WEEBER & DON, Seed Merchants and Growers,
114 Chambers St., NEW YORK CITY.

Mention American Florist.

CLUCAS & BODDINGTON CO.

Importers and Exporters of

Seeds, Bulbs & Plants,

501 TO 503 W. 13TH ST.,
NEW YORK CITY.

Send for quotations on all Florists' Bulb Stock.

SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.

Fern Pteris Tremula

NOW READY.

In excellent condition, from 2½-inch pots, 10 to 12 inches high, ready to shift to 4s, $3.50 per 100; $30.00 per 1000.

R. WITTERSTAETTER, Sedamsville, O.

COLLECTION OF PALMS. A BARGAIN.

2 Seaforthia elegans, 5-inch, at	$ .45	$ .90
2 Oreodoxa regia, 4-inch, at	.50	1.00
2 Latania borbonica, 4-inch, at	.25	.50
2 Cocos plumosa, 3 inch, at	.50	1.00
4 Phœnix reclinata, 3-inch, at	.10	.40
4 Latania borbonica, 3-inch, at	.10	.40
2 Seaforthia elegans, 6-inch, at	.60	1.20
2 Rubber plants, 4-inch, at	.30	.60
2 Sword Ferns, 3 and 4-inch, at	.10	.20
Above collection of fine plants for $5.00.		
Cash with order.		$6.20

WILLIAMS & SONS CO., Batavia, Ill.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

PALMS.

SEND FOR SIZES AND PRICES.

EDWIN LONSDALE,
CHESTNUT HILL, - PHILA., PA.

FERNS.

We make a Specialty of small Ferns for the Fall trade.
Write for special prices on large quantities. Order early.

JOHN SCOTT,
Keap Street Greenhouses, BROOKLYN, N. Y.

Mention American Florist

ROBERT CRAIG,

Roses, Palms,

AND

Novelties in Decorative Plants

MARKET AND 49th STREETS,
PHILADELPHIA, PA.

HARDY Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA.

PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

When writing mention American Florist

BOUVARDIAS—Double pink and white, fine plants from open ground, $5.00 per 100.

CARNATIONS—Fine assortment, field-grown, $5.00 per 100.

SMILAX—Strong, 2½-inch, $2.50 per 100; $15.00 per 1000.

AMPELOPSIS VEITCHII—Strong plants from 4-inch pots, $6 00 per 100.
Send for Fall Trade List.

VICK & HILL CO., ROCHESTER, N. Y.

	Per 100
SMILAX—Strong 1 year	$1.50 and $2.50
CLEMATIS—Leading kinds for fall	
PÆONIAS—Herbaceous, choice asst	8.00
NARCISSUS—Double and single Poets	.75
RED JACKET COOSEBERRIES—Very low prices.	
DOWNING COOSEBERRIES—1 and 2 year.	
DAISIES—Snowdake and Snowdrift	2.00
H. P. ROSES—In assortment	10.00

F. A. BALLER, Bloomington, Ill.

CYCLAMEN GIGANTEUM.

3-inch pots.....$ .75 per doz.; $ 6.00 per 10
2½-inch pots..... 1.25 per doz.; 10.00 per 10
3-inch pots..... 2.25 per doz.; 20.00 per 10
Cash with the order please.

JNO. E. DE WALT, Box 82, Carlisle, Pa.

Rochester, N. Y.

A UNIQUE TABLE DECORATION.—FLOWERS IN GOOD DEMAND.—STOCK SHOWS EFFECT OF UNSEASONABLE HEAT.

The past week called for quite a few decorations for weddings, dinners and other celebrations; in some of these, flowers were used extensively, in others plants and greeneries along with highly colored autumn foliage was the prevailing feature. At a farewell dinner, given by a wealthy out of town contractor on the completion of a large sewer contract, to the city sewer commissioners and some of his intimate friends, a most unique centerpiece adorned the table. Several lengths of glazed tile with Tee connections, resting and half hidden in a bed of adiantum formed the foundation for the affair; bright shovels, spades and picks, less than half the ordinary size, lay across the pipes; a profusion of white and pink chrysanthemums, Bride and Bridesmaid roses and silk ribbons were used in ornamenting the whole; flowers were pouring loosely from the outlets and were continued the whole length of the table. The effect was really pleasing, although the mere idea of having an imitation of a sewer on a dining table would perhaps spoil the appetite of most anybody but a sewer contractor. But the florist has to humor his patrons and in this case he was equal to the occasion and handled the subject with remarkable success. Violets were used for boutonnieres and the spacious hall was lavishly decorated with large palms, and ceiling, chandeliers and doors draped with asparagus and smilax in a unique manner.

Flowers have been in good demand and were not too plenty. The retail price for chrysanthemums is still from $2 to $3 per dozen but next week a larger supply is expected in the market and it is doubtful whether this price can be kept up much longer. Roses from the local growers show the effects of the unprecedented October heat (in the eighties for nearly every day); with violets the same trouble prevails, flowers small again. Carnations are coming in more freely than formerly and are also of better size. Although there is still a lot of outdoor mignonette offered, the larger and perfect spikes grown under glass find ready purchasers at greatly advanced figures. K.

Pittsburg.

TRADE HOLDS UP WELL —CLUB MEETING, —PROBABILITY OF A CHRYSANTHEMUM SHOW —COMMITTEE APPOINTED —STATE V-P. OF S. A. F.—FAILURE OF P. VOS.

Trade has kept up very well the past week, and the outlook is very encouraging for continued improvement. Stock is plenty and of good quality. The chrysanthemums in the market this week are very fine, fully up to a high standard of quality, but they have been grown in such quantities this year that the prices are very low indeed, wholesale from 50 cents per dozen up to $2 for extra fine blooms. Carnations are coming in freely, roses and violets likewise.

The Pittsburg and Allegheny Florists' and Gardeners' Club held their regular meeting on the evening of the 14th inst. with a very fair attendance. The question of holding a flower show this fall was fully discussed: the conclusion reached was that the club would not give one under its own auspicies, but that if some one or two of the charitable societies would undertake it, being responsible for expenses and of course reaping the benefit of any profits, the florists would get up the show. A committee of three was appointed to see if arrangements on the above plan could be made. Messrs. Fred Burki, T. P. Langhans and E. C. Ludwig were named as the committee; they to report at the next meeting on the 28th inst. At the present time everything looks very favorable for a show, as I understand two or three societies are anxious to undertake it and there may be more in the field before the 28th.

Mr. Gustave Ludwig has received a notice of his appointment as state vice-president for Pennsylvania by the Society of American Florists. He has accepted the position and will do all he can to further the aims of the S. A. F. Mr. Ludwig reports business brisk with him; this week he had something of novelty, it was the flower Nerine Fothergillia, scarlet and in bunches resembling the azalea but smaller in size; they took very well with the public and sold readily. Mr. John J. Murchi, of Sharon, was the grower of them.

In a letter from Holland to Mr. L. is mentioned the failure of Mr. P. Vos and from the tenor of it he will not likely be able to continue his business. Mr. Vos was here last spring and made many friends; he has a new narcissus that gave great promise of becoming avaluable addition in that line.

Mr. M. Rice, of M. Rice & Co., Philadelphia, was a visitor this week.

REGIA.

St. Paul.

FIRST KILLING FROST —TRADE IMPROVING DAILY —L. L. MAY & CO.'S NEW STORE — FIRE INSURANCE —VISITOR.

The first killing frost came the night of the 8th. Up to this date cannas, geraniums, coleus, verbenas, begonias, etc., were in full bloom and summer's floral beauties were blended in autumn's dying tints. The cold snap found most of the florists prepared for it, and the following day most of the tender stock outside was taken care of. The season has been a record breaker in more respects than one.

Trade is improving daily as the weather becomes cooler and society resumes its sway. Roses and carnations are now of good quality, with the supply about equal to the demand. Beauty, Bride and Perle are the best sellers at present. Chrysanthemums are beginning to show themselves in the store windows, the earliest arrivals being Bergmann and Montmort. Violets have also put in an appearance, being in bloom several weeks earlier than last year. There is a good sale also for palms, ferns and other ornamental plants. Shipping trade is exceptionally good, and some of the *wheat money* is at last finding its way to the florist's pocket.

L. L. May & Co. have moved into their new quarters on 6th and Minnesota streets. Their retail store fronts on 6th street, is 30 feet wide and 100 feet in length. This is two stories in height with a basement. Immediately back of this store is a conservatory 50 feet square. This contains a fountain and is well filled with choice palms, ferns, stove plants, orchids, etc., the benches being arranged in irregular forms giving a park-like appearance to the whole interior. An outside entrance to the conservatory is had on Minnesota street. The offices and wholesale department are located on Minnesota street in a four-story and basement building 100x30 feet. This building also joins the conservatory and is connected with it, both buildings with the conservatory forming an L and fronting on two streets. The office and shipping room are located on the first floor of the Minnesota street building. The second floor is the wholesale order room, the third floor the packet room, while the fourth floor and basement are used for stock rooms. The building, erected at a cost of $60,000, is adapted to all the needs of their business and is a strong and substantial edifice. Located in the heart of the retail district, the business should prosper. A large and commodious bevelled plate glass refrigerator adorns the retail store.

Apropos to the organization of a mutual fire insurance company, what rates are paid in the different cities, and do any of the brethren carry insurance on the contents of their houses? In this city board rates vary from $1.80 to $2.50 per $100 per year.

Dr. Schiffman, our orchid expert, has some very fine cattleyas now in bloom.

C. C. Pollworth, of Milwaukee, was a recent caller. FELIX.

Providence, R. I.

FAVORABLE OUTLOOK —BETTER FEELING EVERYWHERE —JACK FROST ARRIVES.— NEW STORES.— MR. RENNIE ILL —FINE CHRYSANTHEMUMS.—MRS. FISHER CARNATION.

The outlook for a prosperous season is better than a year ago. We all feel that the convention has awakened new interest in our city and it has been instrumental in creating a better feeling among our profession.

Jack Frost has paid his respects to about all the tender plants outside, and his mighty power has been felt to a great extent on many others. The S. A. F. badge at Roger Williams Park is, however, still intact and speaks pleasant memories of the convention.

Timothy O'Connor has moved to Westminster street, where he has a fine show window and a very commodious store in full dress. Wm. H. Wing has re-opened his store, foot of College Hill. Ed. J. Johnston makes a good display as usual, with his regular corps of attendants. In fact all the stores and show windows have an air of attractiveness.

A. M. Rennie has been confined to the house for several days. Fears are expressed that he may have over-exerted himself at the bowling contest, which caused hernia; we all hope to see him about soon.

F. Macrae has been cutting some fine chrysanthemums since the first cutting two weeks ago. Mac. always has nice 'mums "don't you know." Wm. Millar, of Rhode Island Greenhouses, is also bringing in market a nice lot of the early varieties.

Carnations are coming in in good quantity and quality, although the general complaint is that the plants from the field were not quite up to the standard. The Mrs. Fisher, a favorite here, seems to be deteriorating, and many are discarding it. It does fine with me and I am still in love with Mrs. Fisher.

Roses are plentiful just now and not much demand except for funeral work.

Mercury outside 66°, about right for a midsummer night. LITTLE RHODY.

PENSACOLA, FLA —W. F. Lewis is dead after an illness of three years with cancer. Mr. Lewis was well and favorably known in Cleveland, O., before his removal to Pensacola. He was for many years a member of the Society of American Florists until sickness forced him out of active life.

GERMANTOWN, PA.—The judges at the coming fall exhibition of the Germantown Hort. Society will be Messrs. Thos. Cartledge, Chester Davis and Wm. K. Harris.

CARNATIONS

LARGE FIELD-GROWN PLANTS.

VICTOR..... per doz. $1.50; per 100 $10
EMMA WOCHER " 1.00; " $8
ARMAZINDY..... " 1.00; " $8

DELLA FOX,
DAYBREAK,
ELDORADO,
IVORY,
LIZZIE McCOWAN, Per 100 $6.00
MINNIE COOK, Per 1000 $50.00
ROSE QUEEN,
SILVER SPRAY,
TIDAL WAVE,
WM. SCOTT,

Write for Special Price List on Palms and Ferns.

VAUGHAN'S SEED STORE,

GREENHOUSES: Western Springs, Ill.
CHICAGO: 84 & 86 Randolph St.

FIELD-GROWN

CARNATIONS

	PER 100
STANDARD VARIETIES,	$5.00
MRS. C. H. DUHME,	10.00
MRS. GEO. M. BRADT,	12.50

F. DORNER & SONS CO.,
LA FAYETTE, IND.

H. WEBER & SONS,

CARNATIONS,

OAKLAND, MD.

Always mention American Florist.

CARNATIONS.

ROSE QUEEN, PORTIA. Fine, stocky, field-grown plants. $3.00 per 100.

SMILAX.

Three thousand Smilax, good, strong plants, in 2½-inch pots. $2.00 per 100.

GEO. SOUSTER, ELGIN, ILL.

FOR SALE.

Palms, all kinds and sizes **Ficus, Araucarias, Cyclamen, Primroses** and **Azalea indica** in any quantity; prices very low; quality A No. 1.

Eucharis amazonica, $2.00 per 100.

JOHN BADER, Troy Hill. Allegheny City, Pa.

For MILDEW on ROSES

CARNATION RUST, FRUITS AND VECETABLES,

USE FOSTITE; 5 lbs. 50 cts.; 25 lbs. $2.00.

C. H. JOOSTEN, Importer of Bulbs, Plants, Seeds, 193 Greenwich St., NEW YORK.
Mention this paper.



TRY DREER'S GARDEN SEEDS,

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER, Philadelphia, Pa.

Mention Am. Florist when writing

HAIL

For Insurance against damage by hail, Address

JOHN G. ESLER, Sec'y, F. H. A., Saddle River, N. J.

HERR'S PANSIES
ARE
THE BEST.

SEED, $1.25 per 1-4 ounce.
PLANTS, $5.00 per 1000; 75c. per 100; 2,500 for $10.00.

SMILAX, fine plants at $1.25 per 100; $10.00 per 1000 Sample for 10 cts.

ALBERT M. HERR, Lancaster, Pa.

HERR'S
CARNATIONS

2000 McGOWAN,
1000 ARMAZINDY,
700 ABUNDANCE,
500 PORTIA,
300 ALASKA,
500 CARTLEDGE,
} 5c. EACH.

3000 TRIUMPH, the best pink in every particular I ever grew, at $7.50 per hundred.

ALBERT M. HERR, Lancaster, Pa.

August Rölker & Sons

Wholesale Dealers in

SUNDRIES

for Florists and Horticulturists have removed their extensive stocks to their

NEW STORE AND OFFICES AT
52 Dey St., New York.
Orders from the trade solicited.

GEO. A. KUHL,
Wholesale Cut Flowers,

ROSES, CARNATIONS, and SMILAX.

GEO. A. KUHL, - - Pekin, Ill.
Mention American Florist.

CARNATIONS

1100 Rose Queen, and about 100 each of Scott, Tidal Wave, Nancy Hanks, Helen Kellar, and Dorner; $30.00 takes the lot, about 1500 in all, or by the 100 $3 00

A. G. PRINCE & CO.,
88 & 90 Wabash Ave., CHICAGO.

H. P. ROSES for forcing.

Clematis, Rhododendrons, Magnolias, Hardy Azaleas, Tree Roses, Etc.

L. C. BOBBINK, Rutherford, N. J.
Branch Horticultural Co., Boskoop, Holland.

ORCHIDS the Finest Stock in the World. ORCHIDS
For Florists.

SANDER, ST. ALBANS, ENGLAND, and BRUGES, BELGIUM.
AGENT:
A. DIMMOCK, 114 Chambers St., N. Y. City.

CARNATIONS

Free from Disease. Field-grown.
ROSE QUEEN, SCOTT, IVORY, PIERSON.
Write for prices.

VIOLETS. 1,000 LADY CAMPBELL, field-grown, at a bargain.

CRABB & HUNTER, Grand Rapids, Mich.

PANSIES that PAY and PLEASE

Our strain of Select Giant Bugnot and best Novelties for large blooms and beautiful coloring are up to any other best. Robust field plants, 60c per 100; $4.00 per 1000. Large lots special price. SEED, 1-16 oz. 30c; 1 oz. $4.50.

Ceraniums, 50,000 under way; Coleus, Begonias, Petunias and Verbenas are Specialties.

D. K. HERR, Rider Ave., Lancaster, Pa.

Always mention the American Florist when writing to advertisers.

CARNATIONS.

Strong and healthy field-grown plants.

Rose Queen,	Portia,
Della Fox,	Corsair,
Nancy Hanks,	Kohinoor,

Lizzie Gilbert.

$3 00 per 100; $25 00 per 1000. No order for less than 100 accepted.

REINBERG BROS.,
51 Wabash Avenue, CHICAGO.

Field HYDRANGEAS

1000 FINE STOCKY OTAKSA.
To be sold quick.

JOHN REIMELS,
WOODHAVEN, N. Y.
When writing mention the American Florist.

MORELLO

Field-grown, at $1 50 per dozen; $10.00 per hundred.

HOPP & LEMKE, Paul P. O., Mich.

The Cottage Gardens,

QUEENS, L. I.

SPECIALTIES IN
CARNATIONS, CHRYSANTHEMUMS, CANNAS, GERANIUMS, DAHLIAS.
Send for our Price List.....

E. G. HILL & CO.,
Wholesale Florists
RICHMOND, INDIANA

PRIMROSES. Per 100

CHINESE PRIMROSES, 3-inch pots..... $2.50
CINERARIAS, ready Nov. 1st..... 2.50
CHRYSANTHEMUMS, 20 vars., 5-inch pots.. 8.00
PANSY PLANTS, ready Oct. 15th, 1000 $3.50, .60
CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, O.

STOCKY. FIELD-GROWN **CARNATIONS.**

New and standard vars., $5.00 per 100 and upward.
GEO. HANCOCK & SON, Grand Haven, Mich

Always mention the American Florist when writing to advertisers.

Omaha, Neb.

PLANTS AT THE EXPOSITION.—AMONG LOCAL FLORISTS—PROSPECTS ENCOURAGING.—A. DONAGHUE, JR., MARRIED.—VISITORS.

Lists of plants to be used on the grounds of the Trans-Mississippi Exposition next spring were sent to the trade upon the 5th of October with a request for estimates; and while most of the trade sent in the estimates all are unsatisfied with the way the lists of plants were gotten up, also the amounts named, in all only 100,000, which they considered much too few.

Calling on J. W. and E. E. Arnold we found they had pulled out all their benching and are replacing it with new and reconstructing the entire interior of their range of glass. They had some very fine carnations to show and report business very good.

Lewis Henderson has a fine lot of 'mums just showing color, which promise a good crop of flowers. His roses look well and his business is improving. He has quite a unique window decoration, an old-fashioned mill being the principal subject in the foreground. Just what the mill produces we couldn't see, but Lewis probably expects to grind out business this winter.

Peterson Bros. report business fair for this season. Their 'mums look well and will be in in about ten days; their roses and carnations are coming in good.

Hess & Swoboda have added two new houses and repaired their entire plant. They have put in a new 60-horse-power boiler. 'Mums look well, just showing color. Business fair. Beauties very good color, and general stock improving.

Robert Unger has opened a store at 115 South 16th street. Mr. Unger has run the old Parker place for the past two years, and has a fine lot of 'mums just coming in. He is also cutting quite a quantity of good violets. He reports business opening up a little slow.

Donaghue is cutting some A1 Beauties, La France and Meteor. His roses give every promise of a first-rate crop this winter. Carnations are getting their color; 'mums very good and just coming in. He has just completed the rearrangement of his steam pipes, putting in larger mains, etc. Business with him is fair, but he expects it falrer when the fair comes. A. Donaghue, Jr., was married to Miss Katharina Damm, at Detroit, Mich., on September 22.

L. C. Chapin, of the firm of Chapin Bros., Lincoln, Neb., was in the city recently; also David Nicol, of Green & Nicol, Fremont, Neb. A. D.

Williamsport, Pa.

Messrs. Evenden Bros. have recently rebuilt and enlarged two of their carnation houses, making each 100x22. They have likewise overhauled their entire plant, having introduced many improvements throughout.

A general improvement in business is noticeable all along the line. Quite a few wedding decoration orders have been booked for the near future. Taken all in all the prospects never seemed brighter.

HOMO.

MUNCIE, IND.—The Muncie Floral Co. will open their cut flower store November 1 at 115 W. Adams street. Mr. B. F. Wilson will issue a seed catalogue the coming season. Mr. Geo. Miller has greatly improved his house and office by general repairs, painting, etc. Mr. G. Butterfield erected two houses this summer for vegetables.

PALMS!

Areca lutescens, Latania borbonica, Kentias, Cocos Weddeliana, Etc.

HARDY, HOME-GROWN, PERFECT PLANTS, LARGE STOCK OF ALL SIZES.

CALL AND SEE THEM. They will BEAR INSPECTION.

Wholesale List on application.

JOSEPH HEACOCK, Wyncote, Pa.

Mention American Florist.

4 Acres Field-Grown Carnation Plants, 94,000.

Our carnations are grown with the greatest care, and are first-class plants. Free from disease. We pack light by our improved system of packing, by which we can send them to all parts of the United States and Canada in perfect condition.

CRIMSON SPORT — DELLA FOX — BUTTERCUP
$1.50 per dozen. $8.00 per hundred.

ALBERTINI — CHESTER PRIDE
BRIDE OF EARLESCOURT — NICKELSON
$1.25 per dozen. $6.00 per hundred.

SWEETBRIER — SILVER SPRAY — CHESTER PRIDE
MRS. CARNEGIE — PORTIA — WM. SCOTT
L. L. LAMBORN — GRACE WILDER — ROSALIND
$1.00 per dozen. $5.00 per hundred. $45.00 per thousand.

J. L. DILLON, BLOOMSBURG, PA.

40,000 FIELD-GROWN CARNATIONS.

CLEAN HEALTHY STOCK.

		100.	1000.
Daybreak	2d size.	$3.00	$25.00
Scott	1st "	5.00	40.00
"	2d "	3.00	25.00
McCowan	2d "	3.00	25.00
Mrs. Fisher		5.00	40.00
Portia	1st "	5.00	40.00
Tidal Wave	1st "	5.00	40.00

PORTIA.

We have about 5,000 extra fine large PORTIA.

100 California Violets
$4.00 per hundred.

EDW. J. TAYLOR,
SOUTHPORT, - - CONN.

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SEND ADVS. EARLY.

We are now Booking Orders for that Peerless New Yellow DAHLIA

Clifford W. Bruton.

It is an early and profuse bloomer, while the flowers are of immense size and grow on very long stems. Address

W. P. PEACOCK, ATCO, N. J.

Field Grown CARNATIONS

Good, healthy stock, $3 per 100. Cash with order.

1000 Craig, 1000 Goldfinch,
1500 Alaska, 1000 Rose Queen,
150 Peachblow, 500 Della Fox,
3000 Scotts, 500 Albertini,

3000 DRACAENA INDIVISA, price for 6 in. pots, $10 per 100.
5000 LATANIA BORBONICA, 4-inch pots, $15 per 100.
2000 FERNS—Nephrolepis exaltata, 3-inch pots, $10 per 100.
1000 Nephrolepis Bostoniensis, 3-inch pots, $12.00 per 100.
1000 Cordata compacta, 3 inch, $12.00 per 100. All very fine plants.

E. HIPPARD, Youngstown, Ohio.

5000 FIELD-GROWN SCOTT CARNATIONS.

Second Size, $3.00 per 100, Cash.

FINE HEALTHY PLANTS.

ELLIOTT & ULAM,
228 Fifth Ave., PITTSBURG, PA.

ROSES. Extra fine stock, clean and healthy.

BRIDE and BRIDESMAID, from 2½-inch pots, $20.00 per 1000; $2.50 per 100.
BRIDE and BRIDESMAID, from 3½-inch pots, $35.00 per 1000; $4.00 per 100.
KAISERIN, $3.00 per 100.
SMILAX PLANTS, $1.50 per 100.
TERMS CASH.
NATIONAL PLANT CO., Dayton, O.

GOOSEBERRIES HOUGHTON, extra fine 2 yr. plants, $1.20 per 100. Extra 1 year at 80c per 100. SMITH'S IMPROVED, extra fine 2 year, $2 per 100. Extra 1 year, $1.50 per 100. CURRANTS—Fay's Prolific Cherry, White Grape, Lee's Prolific, extra fine 2 year, $1.70 per 100; 1 year selected, $1.00 per 100. By the 1000 same rate. CLEMATIS VIRGINIANA—American White, sweet-scented, 2 year, fine, 5c. Price advanced soon as surplus stock is sold. Packing free.
W. H. SALTER, Rochester, N. Y.

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AMERICAN FLORIST

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November 13.

It will be fully equal to the best of those of previous years, and will contain some striking new features. Don't fail to have an adv. in it.

Extra value, but no increase in rates.

AMERICAN FLORIST CO.

322 Dearborn Street, CHICAGO.

Indianapolis.

CLUB MEETING.—CHRYSANTHEMUM SHOW MATTERS.—INVITATION TO THE TRADE.—PREMIUMS OFFERED.—A FIRE.—TRADE IMPROVING SLOWLY, BUT STEADILY.

The regular monthly meeting of the Florists' Club for October was held at Mr. Langstaff's residence. The attendance was very good and several new members were elected. The committee on state fair reported as stated in last correspondence. Mr. McKeand, city florist, exhibited some blooms of his excellent new cannas. Mr. Hatfield in his usual entertaining talk gave his experience with cannas for the past summer, fertilization, growth, etc. An appropriation was set apart to be used by the committee on entertainment during the chrysanthemum show. The following were appointed on that committee: Wm. G. Bertermann, E. A. Parker and F. B. Alley. These members will work in conjunction with the State Society committee. A bowling contest and an evening of unusual pleasure is promised our visitors during the show. The first week in November was selected for the show so as not to conflict with other shows and to give all our florist friends a chance to visit our show and our entertainment. This is the official invitation and everyone in the trade is invited; further particulars in next number.

After the meeting all present were invited to the dining room, where a spread had been prepared by Mrs. Langstaff and daughter. Miss Langstaff also sang, accompanied on the piano. She is a singer of local reputation. The evening was very much enjoyed by everyone present.

The chrysanthemum show outlook is very promising. The premium list is much larger than usual and more varied. The complete list and programme for the show will be out in a few days. Do not fail to send for one to the secretary, R. McKeand, Garfield Park, Indianapolis. Premiums for cut blooms are many and extensive; those for decorative plants are for good amounts, also for carnations and cut roses. This will be the 11th regular continuous annual show of the Indiana society, every following show better than the last as to quality and completeness. While no surplus is left and there is sometimes a shortage, we have always been fortunate enough not to have to make any assessments that count for much.

A fire in the boiler shed of Mrs. Chas. Rieman burned through the shed only, but ruined a lot of bulbs and one house of chrysanthemums, and also some plants in the smaller houses. Cause given is the gas pressure rising while the boys were absent from the place and the extreme dryness of everything. Loss about $400.

Mr. Anthony Wiegand is holding a special sale of palms and foliage plants at his place this week. His stock compares favorably with eastern stock; his latanias cannot be beat.

Mr. John Bertermann will very likely be appointed by the re-elected Mayor Taggart park commissioner. He is endorsed by the Florists' Club in a petition, also by his many friends throughout the city.

Trade is improving slowly, but there seems a certain stability in its course. 'Mums and carnations are coming in very fine and of good colors. W. B.

ASHTABULA, O.—M. E. Fassett, the florist, has made an assignment for the benefit of creditors. W. G. McCartney is named as assignee.

ATTENTION EVERYBODY

The Sensational Carnation of the year — PER 100

FLORA HILL, nice, clean, field-grown plants $10.00

ARMAZINDY, SPLENDID PLANTS, 8.00

TRIUMPH, FINEST PINK, 8.00

CYCLAMENS Magnificent plants grown from the finest English prize flowered strains. We have used this particular strain for years, and it has pleased thousands of our customers. Strong, clean, well furnished plants, from 4-inch pots, **$10.00 per 100.**

E. G. HILL & CO., Richmond, Ind.

ORNAMENTAL TREES AND SHRUBS.

Roses, Bulbs and Hardy Perennials

In Large Assortment and of Superior Quality.

Fully believe that we can show more Ornamental Trees and Shrubs, and a larger, finer block of Hardy Roses, Hybrid Perpetual Moss and Climbers of the leading popular varieties including the famous Crimson Rambler than can be seen elsewhere. We have 32 greenhouses, several of them devoted to Palms, Cycas, Ficus and Araucaria Excelsa. Personal inspection and correspondence solicited. Catalogue free.

THE STORRS & HARRISON CO., Box 5 Painesville, O.

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Pansy and Geranium PLANTS.

PANSIES—Giant flowering, transplanted; no spindly plants, 50c per 100; $4 per 1000.

NEW GERANIUMS—That cost this spring $25 per 100; 6000 now ready, in 20 choice varieties, named, 2-inch, $3 per 100.

NEW VELVET PLANT—A big seller, 3-inch 50c per dozen

THE MORRIS FLORAL CO., Morris, Ill.

Pansies Worth Raising.

GOOD PLANTS, $2.50 per 1000, or $1.50 per 500.
LARGE PLANTS, $4.00 per 1000, or $2.50 per 500.
BLOOMING PLANTS, $1.50 per 100.
SEED, as usual. CASH WITH ORDER.

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199 Grant Ave., JERSEY CITY, N. J.

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HEADQUARTERS FOR
PALMS, ORCHIDS, FERNS
AND STOVE PLANTS.
SIEBRECHT & SON. New Rochelle, N. Y.
New York Office, 409 Fifth Avenue.

Marie Louise Violets.

Field-grown, large and perfectly free from disease.
No. 1 $3.50 per 100; $30.00 per 1000
No. 2 $2.50 per 100; $18.00 per 1000
SMILAX—2½-inch fine, once cut back, $1.25 per 100; $10 00 per 1000
Cash or good references please. Samples 10c. Write for special price on large lots.

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Wholesale Price List to the trade only.

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272 Boylston St., BOSTON, MASS.

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PANSIES. 500,000 NOW READY.

THE JENNINGS STRAIN. FIRST-CLASS IN EVERY RESPECT, and the LEADING STRAIN TO DATE.

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MR. E. B. JENNINGS Dear Sir:—The Pansy Seed supplied by you last August produced the finest lot of flowers I have ever seen. They were uniformly first-class. Send me one ounce of your best mixed as soon as ready. Respectfully, WM. SCOTT.

100 by mail 75c; 1000 by express $4; 5000 $18. Seed of the above strains $1 per pkt.; $6 per oz.; $3 per ½ oz.

CARNATIONS—Fine, stocky, field-grown plants, leading sorts, $3.00 per 100.
Cash with order. E. B. JENNINGS,
Lock Box 254. Southport, Conn.
Grower of the finest Pansies.

WINTZER'S
New Pedigree Cannas.

MAIDENS BLUSH, undoubtedly the best pink Canna yet introduced.
PHILADELPHIA—The finest crimson.
ALSACE—Nearest pure white. And many other choice new kinds of our own introduction.
Write for special list. THE CONARD & JONES CO. West Grove, Pa.

Please mention American Florist.

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ROEMER'S SUPERB PRIZE PANSIES.

PLANTS, strong and bushy, 75 cts. per 100, by mail.
By express..... $2.00 per 500.
By express..... $4.00 per 1000.
Cash with order.

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For VIOLETS Marie Louise or Lady H. Campbell in healthy and clean condition, one hundred or more CYPERUS ALTERNIFOLIUS, 4 and 5-inch pots. Address

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Sash.

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3	ft. x 6 ft.,	3 rows	10 in. glass.
3 ft. 3 in. x 6 ft.,	4	"	8 in. "
4	ft. x 6 ft.,	5	" 8 in. "

Not glazed, 1¾ in. thick.

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Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

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Lockland, Ohio.

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PRIMULA, transplanted seedlings, from flats $1.50 per 100.

FERNS, 3-inch pots.....$5.00 per 100

CARNATIONS. Field grown Lizzie McGowan and Scott. Write for prices.

VIOLETS. Marie Louise, strong field grown. Write for prices

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GERANIUMS. Rooted cuttings.... $1.50 per 100, $12.00 per 1000

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CLEAN, HEALTHY PLANTS.

5-inch pots	$ .75 each;	$9 00 per dozen
6-inch pots	1.00 "	12.00 "
7-inch pots	1.50 "	18.00 "

Also specimen plants in larger pots. Please remit when ordering.

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Nov. 9th to 13th inclusive.

International Competiton in Chrysanthemums.

56 PREMIUMS OF $5.00 EACH FOR BEST 12 BLOOMS,

12 vars. from each State, Territory and Canadian Province.

$50.00 Special Premium for Best 12 Blooms

to be competed for by the blooms winning above prizes.

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THE HORTICULTURAL SOCIETY OF CHICAGO,

Room 202, 185 Dearborn Street, CHICAGO.

There will be a "Hot Time" at

THE INDIANAPOLIS SHOW NEXT WEEK,

Nov. 2d to 6th.

SEE SOME OF THEIR PREMIUMS:

CHRYSANTHEMUM CUT BLOOMS.

15 varieties, 3 Blooms each, $20, $15, $10.
10 varieties, 3 Blooms each, $15, $10, $7.
One Vase 25 Blooms, 5 varieties, $15, $10, $7.
One Vase 25 Blooms, 8 varieties, $15, $10, $7.
One Vase 25 Blooms, 5 or more varieties, production of 1896, $15, $10, $7.
Largest and Best 10 Blooms, one variety, $10, $5.

SPECIMEN PLANTS.

One White.....$7, $5, $3
One Yellow.....$7, $5, $3
One Pink.....$7, $5, $3
One Red.....$7, $5, $3

'MUM PLANTS.

Six plants 6 varieties.....$30, $20, $15

SPECIAL DISPLAY OF ROSES.

Not less than 300 or more than 400, variety and conditions considered, $50, $35.

ROSES.

One Vase White, 30 Blooms, $10, $7, $5.
One Vase Yellow, 30 Blooms, $10, $7, $5.
One Vase Pink, 30 Blooms, $10, $7, $5.
One Vase Red, 30 Blooms, $10, $7, $5.
Best Vase of 50 Bridesmaids, $10, $5.
Best Vase, 30 Blooms President Carnot, $10, $5.

For further particulars address

R. A. McKEAND, Secretary, Garfield Park, Indianapolis, Ind.

ATTENTION, SECRETARIES!

OF " "
CHRYSANTHEMUM
CLUBS AND
EXHIBITIONS.

The season of Chrysanthemum Exhibitions being close at hand, we have, as in seasons past, placed ourselves in position to supply your Club with our beautiful **CHRYSANTHEMUM LITHOGRAPHS.** We have just issued, at a very great expense, two new lithographs (a full sheet and a half sheet), which we believe are the handsomest yet offered. They are entirely new in design, and, being highly illuminated are admirably fitted for advertising your coming exhibition.

We respectfully solicit your patronage, and will be pleased to send samples and prices on application. ☞ ORDERS WILL BE PROMPTLY FILLED.

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Portland, Me.

Niles Nelson has now sixteen houses at South Portland. One new house, short-span-to-south 27x90 has just been planted with 2,000 Daybreak carnations. Daybreak is a good seller here and brings an advanced price. Carnations are looking well, considering the wet season. A pit of violets 11x90 with solid beds planted in June, is even span with two sash 3x6 hinged at the top, which are removed during summer and in early fall allow giving plenty of air by ventilating from either side. Marie Louise is the variety grown, with a few California for leaves to bunch them with. The first picking was sent to market on September 28 About 2,000 roses are grown here, also a quantity of chrysanthemums.

C. S. Goddard is growing his usual quantity of chrysanthemums and has a fine house of young roses. One house is devoted entirely to carnation seedlings. One white one, now in its second year, is very promising.

J. W. Minot & Son of Pleasantdale have a large plant. Roses, carnations and bedding stock are grown extensively and the houses are looking first-class.

W. A. Black at S. C. Dennett & Co's place has three promising looking houses of roses and carnations under his care.

At the funeral of Neal Dow, last week, there was an elaborate display of flowers. Most of the designs were furnished by J. A. Dirwanger who had all the family work.

Albert Dirwanger reports business very good. He probably does the largest funeral design business in Portland.

Major Davis of Deering is cutting fine chrysanthemums. H. W. D.

Corryville, O.

A. Sunderbruch's Sons have a capital carnation support in two half hoops of wire placed like croquet wickets with an eye on each side through which a string is run, making a very neat and effective support, it can be stowed away so easily. Carnations are fine, no signs of disease. The standard varieties look well but Queen of the West, Ruby and Cardinal are away ahead of all; they have strength and promise much, have been grown under glass all summer. In chrysanthemums Bergmann, H. L. Sunderbruch (about three feet tall and a splendid lot), Ermenilda, Bonnaffon, Queen and Ivory take the lead. By the time these varieties have run out roses will be in fine form. A batch of cyclamens is in fine shape for Xmas. V. M. C.

STONE RIDGE, N. Y.—H. P. Delafield has just completed three houses 24x100 and several extensive violet frames. All are of modern construction and heated by hot water. James M. Moore, a brother of M. J. Moore, of Highland, is in charge.

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We Manufacture all kinds of Flower Pots, etc. Making a Specialty of
Florist Standard Pots
Send for price list and samples (which will be sent free and we know you will give us your order:
J. G. SWAHN'S SONS, P. O. Box 78. Minneapolis, Minn.


GEO. KELLER & SON,
MANUFACTURERS OF
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Before buying write for prices.
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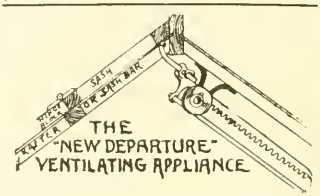
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Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.
A FULL LINE OF BULB PANS.
THE WHILLDIN POTTERY COMPANY, 713 to 719 Wharton Street, Philadelphia, Pa.
BRANCH WAREHOUSES: { Kearney and Westside Aves., Jersey City, N. J. / Jackson Ave. and Pearson St., Long Island City, N. Y.

STANDARD FLOWER POTS.
Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.
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SYRACUSE POTTERY CO.
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OUR Flower Pots are standard measure and all first-class and we assure you they will give good satisfaction. We call your attention to our new pots, 6, 7, 8 and 9-inch, called the "Poro Pot." They are more Porous than any pots, smoother inside and outside, perfect drainage, and are easily washed and cleaned. Give them a trial and you will not want any other. Remember, these Pots are as cheap as any other Pot on the market. Write for price list.
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HIGH GRADE BOILERS.
STEAM AND HOT WATER
FOR GREENHOUSE WORK.
Write for catalogue and prices.
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INDIAN BRANDS
PURE BONE FLOUR.
Ammonia.....4 50 per cent.
Bone Phosphate.....50.00 per cent.
POSITIVELY NO ACID.
Send for samples, price, references.
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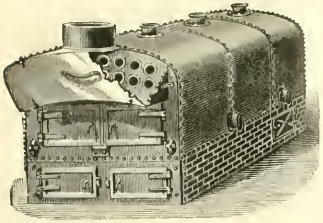
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Does not injure the most sensitive plants. Endorsed
Nikoteen
by prominent florists. Used for fumigation or spraying indoors or out. 200 pounds of tobacco in one pint of Nikoteen. Sold by seedsmen. Circular free. SEABOURA DIP CO. CHICAGO.
Quickly Does It.

THE BEST FOR ALL Florists.
"ROSE LEAF" EXTRACT OF TOBACCO INSECTICIDE
FOR SALE BY Seed Stores.
For Free Pamphlet, write to LOUISVILLE SPIRIT CURED TOBACCO CO. Louisville, Ky

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Standard Flower Pots
right from the manufacturers. Before buying pots write to us for Special Prices and Discounts. Our pots are red in color.
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213, 15, 17, 19, 21, 23 Pearl St., NORRISTOWN, PA.
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IMPROVED
Greenhouse * Boiler,
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IS MUCH MORE DURABLE THAN PINE.
CYPRESS SASH BARS
UP TO 32 FEET IN LENGTH OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL.
Send for our Illustrated Book
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Write for Estimates.
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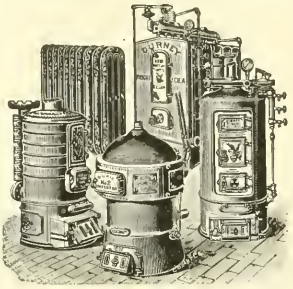
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Others have attempted to follow where we lead, others are trying to reap what we sowed, but we have the experience and are recognized as experts in greenhouse construction.

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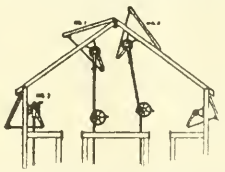


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FREMONT, NEB.—Mr. C. H. Green, of Green & Nicol, was married October 6, the bride being Miss Katie Rogers. Both have the best wishes of a host of friends and start their wedded life under most favorable auspices.

FT. WAYNE, IND.—Owing to the difficulty in securing special premiums and the probability on this account that the society would be unable to pay the premiums, the Fort Wayne flower show to have been held on November 3 to 5 by the Northern Indiana Horticultural Society has been abandoned.

NEGAUNEE, MICH.—The Negaunee nursery and Greenhouses have had glass surface enlarged by the addition of two more houses 65x18 each, making a total of 8,000 feet. A new boiler cellar and house and a 35 H. P. multitubular stationary boiler for heating by hot water or steam have also been added.



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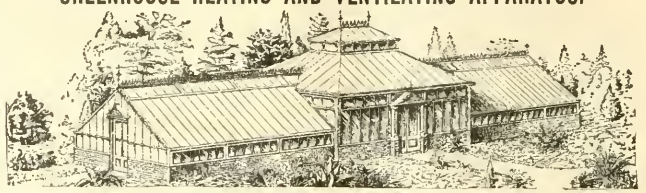
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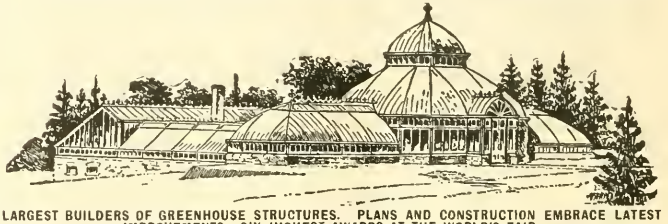
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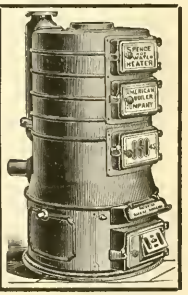
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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—ADAM GRAHAM, Cleveland, O., president; FARQUHAR MACRAE, Providence, R. I., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer.

OFFICERS-ELECT (To be installed Jan. 1, 1898)—Wm. F. Gude, Washington, D. C., president; A. Donaghue, Omaha, Neb., vice-president; secretary and treasurer as before.

The fourteenth annual meeting will be held at Omaha, Neb., August, 1898.

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BAR HARBOR, ME.—The two small buildings known as the Rose and Lily and the little store adjoining are being demolished, and it is the intention of George B. Dorr to erect a commodious business building on the site, in which will be the rooms of the Mt. Desert Nurseries.

HUTCHINSON, KANS.—John Stamm has built one new house 40x100 ft. using red cedar material. He is just completing his heating arrangements.



Propagating Hardy Roses.

Please tell me how and when to make cuttings of hardy roses from outside stock, also from Hermosa and Clothilde Soupert.

Michigan. T. F. B.

It is now late to put in cuttings of hardy roses taken from outside stock; the middle of September would have been better. It is only a waste of time trying to root hard cuttings produced in the open air, in a greenhouse; the few attempts I have made along this line have resulted so badly that I would not be willing to spend five minutes on such work.

A great many hybrid roses are rooted in England in ordinary garden frames. In August the wood is considered in the best condition (about half ripe); the cuttings are made about 9 inches long and are put into the natural soil where they remain all winter with little or no attention. In the spring when the bursting of the buds indicates progress in rooting they are carefully lifted and either potted or transplanted elsewhere. The same method will not only answer well here, but is the best that I know of, only it is necessary for us to protect the frame on all sides to keep out the cold.

I would prefer to propagate Hermosa and Clothilde Soupert from growing wood, and in order to do this would pot up or plant on a bench a few good healthy specimens and grow them through the winter solely for cuttings; in fact I have much more faith in this kind of cutting and this method of propagating for all classes of roses; judging by my own experience I think there is much more satisfaction in rooting indoor grown wood not only at the time of rooting, but afterwards as long as the plants live.

ROB'T SIMPSON.

Kaiserin and La France.

F. C. C., Maine, wishes some pointers on "The winter care of Kaiserin and La France, same to be started into growth in February and planted outdoors for the summer." The matter would have been simplified had the inquiry stated the present condition and past treatment of the stock.

If the plants are in 3 or 4-inch pots and have been simply run along through the summer, they may be stored just as they are in a cool north house away from the sun and where the cold is not intense; a few degrees of frost will not harm them when dormant, but a temperature slightly above the freezing point is preferable. If a house of this kind is not at hand I would suggest making use of a well built and well drained cold frame, and would take the plants out of the pots, set them close together, and cover the balls with either earth, sand or ashes. The sash may be left off until cold weather, then put in place and covered, as well as the sides of the frame, with mats, hay or other material to keep out the extreme cold. When the time for starting them arrives they may be taken out, the roots divested of nearly all the old soil, be pruned back some, and potted into fresh rich soil. It is best to start them in a temperature not exceeding 48° to 50°.

In case the plants have been growing outdoors all summer and are large and strong it will be best to pot them at once and store in either of the above places; if they go into a frame it will be well to plunge the pots deep, beyond any danger of frost, not that a little frost would seriously injure them; the chief object in potting now and protecting from hard freezing is to encourage the roots to make a start while the wood continues dormant, a matter of considerable importance as will be seen when the plants are ultimately taken out, pruned and started up. Roses started into growth without any working roots are certain to break weak and what is worse exhaust themselves in an effort to sustain the young growth, whereas the sustenance should come up through the roots.

ROB'T SIMPSON.

Roses for Cemetery Planting.

From "A Beginner" comes the following: "Will you kindly tell me through the FLORIST the best six roses (hybrid perpetuals) for cemetery planting, say two whites, two pinks and two reds. I have a few orders for such for next spring and have not had much experience with this class of roses. The soil is light and sandy and I want something perfectly hardy and full double. I would also like a little information as to the best tree ferns for use on a shady lawn in summer and that will bear a low temperature in winter, say 45°."

It is a pity the soil is light and sandy, for that is not the texture conducive to the production of good roses or a long crop. The name applied to this large and beautiful class of roses is quite misleading; they are hardy it's true, but by no means "perpetual," and less so in this country than in Europe. Before planting, which is best done in the spring, your "light sandy soil" should receive a third of its bulk of cow manure. There is such a long list of fine roses it is difficult to

choose such a limited list as six, so I have mentioned twelve; the first six can be chosen if you please: Baron Bonstetten and Gen. Jacqueminot, crimson; Mrs. John Laing and John Hopper, rose or pink; Mme. Plantier and Coquette des Alpes, white. Then there is La Brilliante and Senator Valsse, crimson or deep red; Paul Neyron and Ulrich Brunner, pink; Mabel Morrison, a grand white flower, and Margaret Dickson, almost white.

The finest, hardiest and best of all tree ferns is Dicksonia antarctica. It is a native of New Zealand, and will do finely out of doors in summer. I have tried it here in Buffalo years ago, and it will thrive in a cool greenhouse in winter. In fact that is the place for it, as the writer had the care of a fine one some 40 years ago and it was in a cool house. By its side stood an equally fine plant of Cyathea dealbata, a magnificent tree fern, but far more expensive than the dicksonia, and I am doubtful if it's as easily handled. Alsophila australis is a quick-growing but trumpery useless tree fern, and if it goes to church once it dies.

WM. SCOTT.



Coming Exhibitions.

[Secretaries are requested to supply any deficiencies in this list.]

BOSTON, Nov. 2-5. Chrysanthemum show Massachusetts Hort. Society. Robert Manning, Sec'y, Horticultural Hall, Tremont St.

MILWAUKEE, Wis., Nov. 2-5. Chrysanthemum show Milwaukee Florists' Club. A. Klokner, manager, 930 Grand Ave.

INDIANAPOLIS, Nov. 2-6. Chrysanthemum show and floral festival State Florists' Association of Indiana. R. A. McKeand, Sec'y. Garfield Park, Indianapolis.

GERMANTOWN, Pa., Nov. 3-4. Fruit and flower show Germantown Hort. Society. Geo. Redles, Jr., Sec'y, 207 Wister St.

POUGHKEEPSIE, N. Y., Nov. 3-5. Fall exhibition Dutchess County Hort. Society. W. G. Gomersall, Sec'y, Fishkill-on-Hudson, N. Y.

HAGERSTOWN, MD., Nov. 3-5. Chrysanthemum show Hort. Society of Washington County. Edward Oswald, Sec'y.

KANSAS CITY, Mo., Nov. 3-6. Chrysanthemum and flower show Kansas City Florists' Club. W. J. Barnes, Sec'y, 38th and Euclid Ave.

NEW BEDFORD, MASS., Nov. 4-6. Chrysanthemum show New Bedford Gardeners' and Florists' Club. A. J. Fish, Sec'y, 279 Palmer St.

NORTHAMPTON, MASS., Nov. 4-6. Chrysanthemum show Northampton Hort. Society. E. J. Canning, Sec'y, Smith College Botanic Garden.

ANDOVER, MASS., Nov. 5-6. Chrysanthemum show Florists and Gardeners of Andover.

SYRACUSE, N. Y., Nov. 9-11. Chrysanthemum show Central New York Hort. Society. D. Campbell, Sec'y, Thorndon, Syracuse, N. Y.

WORCESTER, MASS., Nov. 9-11. Chrysanthemum show Worcester Hort. Society. A. A. Hixon, Sec'y, 18 Front St.

MONTREAL, Nov. 9-11. Chrysanthemum show Montreal Gardeners' and Florists' Club. Secretary, 12 Brandon avenue.

PHILADELPHIA, Nov. 9-13. Chrysanthemum show Pennsylvania Hort. Society. David Rust, Sec'y, Horticultural Hall, Sta. A.

CHICAGO, Nov. 9-13. Fall exhibition Horticultural Society of Chicago. W. N. Rudd, Ass't Sec'y, room 202, 185 Dearborn St.

GRAND RAPIDS, MICH., Nov. 10-12. Chrysanthemum show Grand Rapids Florists' Club. N. B. Stover, Sec'y, Grandville, Mich.

WACO, TEX., Nov. 10-12. Chrysanthemum show Waco Floral Society. Mrs. M. B. Davis, Sec'y.

SPRINGFIELD, MASS., Nov. 10-12. Chrysanthemum show Hampden County Hort. Society. W. F. Gale, Sec'y, 331 Main street.

TORONTO, Nov. 10-13. Chrysanthemum show Toronto Gardeners' and Florists' Association. E. H. Carter, Sec'y, Riverdale Park, Toronto.

LOUISVILLE, KY., Nov. 10-13. Chrysanthemum show Kentucky Society of Florists. F. C. Haupt, Sec'y, 241 W. Jefferson St.

ST. LOUIS, Nov. 10-14. Chrysanthemum show St. Louis Florists' Club. Emil Schray, Sec'y, 4101 Pennsylvania Ave.

PROVIDENCE, R. I., Nov. 11-13. Chrysanthemum show Rhode Island Hort. Society. C. W. Smith, Sec'y, 61 Westminster street.

NEW YORK, Nov. 12-13. Exhibition New York Gardeners' Society. J. H. Troy, manager, 365 Fifth avenue.

CLEVELAND, Nov. 16-19. Chrysanthemum show Cleveland Florists' Club. G. A. Tillon, Sec'y, 85 Woodland Ave.

Chrysanthemum Society of America.

The committees judging new seedlings will be in session October 23 and November 6, 13, 20, 27. Exhibitors should make their entries (for which a fee of $2 is charged for each variety entered) to the secretary not later than Tuesday of the week the blooms are to be shown. Blooms forwarded to any of the following addresses, express prepaid, will receive careful consideration:

BOSTON.—A. H. Fewkes, Horticultural Hall.

NEW YORK.—Eugene Dallledouze, care of Dr. F. M. Hexamer, Madison Square Garden.

PHILADELPHIA.—Edwin Lonsdale, 1514 Chestnut street.

CINCINNATI.—R. Witterstaetter, corner 4th and Walnut streets.

CHICAGO.—W. N. Rudd, room 202, 185 Dearborn street.

Those desiring further particulars address ELMER D. SMITH, Sec'y,
Adrian, Mich.

Work of the Committees.

At the committee meetings on October 23, new chrysanthemums were passed upon as follows:

NEW YORK.—Miss Clara Nevin, exhibited by Wm. Hillebrecht, Union, N. J., Jap. Ref. white, scored 72 points. Peter Kay, exhibited by Robt. Laurie, Newport, R. I., Jap. amber yellow, scored 87 points. Solar Queen, exhibited by E. G. Hill & Co., Richmond, Ind., Jap. yellow, scored 86 points. H. W. Longfellow, exhibited by E. G. Hill & Co., Jap. Inc., scored 82 points. Australian Gold (an importation) exhibited by E. G. Hill & Co. Jap. light yellow, scored 91 points.

CHICAGO.—Mrs. O. P. Bassett, exhibited by Bassett & Washburn, Hinsdale, Ill., sport from Mrs. Henry Robinson, light yellow, scored 85 points. H. W. Longfellow, exhibited by E. G. Hill & Co., Jap. Inc. white; pink shadings on lower petals, scored 85 points. R. W. Emerson, exhibited by E. G. Hill & Co. Jap. white, shading to yellow at center, scored 80 points. Australian Gold, exhibited by Hill & Co. Jap. Inc. light yellow, scored 77. Solar Queen, by Hill & Co. light yellow, scored 88.

PHILADELPHIA.—No blooms presented.
BOSTON.—No report.
CINCINNATI.—No report.
ELMER D. SMITH, Sec'y.

Chrysanthemum Notes.

There were no chrysanthemums exhibited according to the requirements before the committee of the Chrysanthemum Society of America in the Quaker City last Saturday. It appears that probable novelties are not quite so plentiful this year as they were formerly.

An interesting exhibit was made, however, by George E. Campbell and John Welsh Young; the former had flowers of Mrs. J. T. Anthony and the latter half a dozen Glory of the Pacific. Most of the flowers were apparently identical. It would have been difficult to name them correctly, excepting by the foliage, and one flower of Mrs. Anthony was much darker than any of the others in both varieties. This, I understood Mr. Campbell to say, was the natural color a week or so ago, but the warm weather had caused them to fade out a great deal. The foliage was very distinct, the Mrs. Anthony appearing to be the better in this respect. Mr. Young stated that Glory of the Pacific was in bloom October 10 and the Mrs. J. T. Anthony five days later. The latter was sent out by Pitcher & Manda in 1893 and the former by Yoshiike in 1895. According to the judgment of Thomas Cartledge, the Glory of the Pacific is too light in color to suit their trade. A variety with more color would sell better, he said.

Mr. Wm. Paul Binder, gardener for Harry A. Pair, Esq., Baltimore, brought a few early seedlings for examination, though not under the auspices of the Chrysanthemum Society. A pale yellow was certainly a beauty, and one onlooker made the statement that had it been entered for a certificate it would score high. One thing the committee must keep in mind when judging early varieties is to compare them with what are already in commerce at the particular season of the year when they are exhibited. These seedlings (this is the first year) were ready to cut October 6th. One very delicate pink sort attracted some attention, but the same objection ruled in this case as in that of Glory of the Pacific. Another was a white one that was favorably commented upon, being much more graceful in form than the Madame Bergmann, and it is ready to cut at the same time. Another white was exceedingly fine, the flower being full of petals, large in size and graceful in form, but unfortunately it has a weak neck.

John McCleary, gardener for Wm. Weightman, Esq., Germantown, had some flowers of a large light purple. It has many good points, but the color was hardly lively enough to suit the fancy of any of those present. It is predicted that there will be many more new chrysanthemums to examine as the season advances.

In Mr. Battles' store were noticed the finest Mrs. E. G. Hill that have graced this town heretofore. Their superiority was in the stout erect stems, which generally is unusual in this variety. There was also a vase of grand blooms of Mrs. Henry Robinson on view, which brought forth much favorable comment. There are some complaints about this variety, I am sorry to say. It is inclined to drop its floret-petals too soon. Is there any remedy for this defect, or is it constitutional? PHIL. A. DELPHIA.

Tomato Disease on Forced Plants.

What are the chief causes, preventives and cure if any? We have planted on benches and are much troubled with the disease. We first cut off the worst leaves then we used Bordeaux mixture; it checked the disease but checked the plants worse. On other plants we used sulphur freely and well; this did not injure the plants and checked the disease, but still the disease is spreading slowly but surely over the whole plant. What can we do to stay the evil? The plants were grown "hard as iron" and now have plenty of air on fine days and a little ventilation at night with heat turned on to 60°.

HARNISH.

Although as a rule tomatoes do not suffer much from disease under glass, yet when they do become infected it is difficult to stay the disease on account of the



ONE OF THE NEW PONDS OF AQUATICS IN HUMBOLDT PARK, CHICAGO.

softness of the tissues of the plant and its tender hairy surface. There is more than one serious tomato disease, each requiring its special treatment. Although the writer does not give a word of description, it is fairly safe to assume that his plants are suffering from brown mold (*Cladosporium fulvum*), and if so his method of treatment is the correct one.

Remove and destroy (burn) the worst leaves, and also all fallen leaves, for the mold grows on dead tissues even better than on live ones. Keep the temperature as low and the air as dry as the health of the plant will permit, by ventilation, etc. Use sulphur, preferably by painting the heating pipes. Spray with a copper solution.

The ammoniacal carbonate of copper has been used successfully by a number of experiment stations. It is made by diluting one volume of strong ammonia with seven or eight volumes of water, and stirring into it carbonate of copper, a little at a time, until considerable powder remains undissolved. After standing some time with occasional shaking, the clear liquid is turned off and used for spraying. The undissolved part can be used to make the next lot. This solution should be made and kept in wooden, earthen ware or glass vessels.

This treatment may not stop the disease, although it cannot fail to do much toward checking it. At the next opportunity to clear the greenhouse, it should be thoroughly disinfected by removing the soil, then burning sulphur after making the interior thoroughly damp in every part. Repainting would be a good thing. Then use soil from an uninfected source. It is a disease to be prevented, rather than to be cured. J. C. ARTHUR.

Purdue University, Lafayette, Ind.

The Sow Bug.

So much has been asked and answered as to the destruction by traps, poisons and otherwise of this innocent isopod that it has interested me to know if any observer has actually found this bug eating green plants of any kind. They are about our place by the ten thousand, feeding among dry, decaying substances, as strawy manure, leaves of any kind, wood chips and the like. We notice them in the houses among any collection of dried leaves, or even papers, beginning to decay; in fact they are so shy it is their habit to feed hidden away among such substances, but I have never observed them running over plants or feeding on the live substances, nor can I name a single indication of hurting any of the various plants we grow. If, however, we can not prove them destructive to our plants, they are not pleasant to have about in the houses, and so may urge us to keep the place cleaned up from such refuse material that invites them.

Lancaster, Pa. DANIEL K. HERR.

Objectionable Grasses in Lawns.

Please tell me through the FLORIST the names of the grasses of which I send specimens. Our lawns are covered with the small grass. Is there any way to kill it? G. W.

The larger grass which you send is Muhlenbergia sylvatica and the small species is Muhlenbergia diffusa (Dropseed—Nimble Will). The muhlenbergias are enabled by their root structure and scaly runners to endure drought better than the more succulent grasses hence M. diffusa usually prevails in dry orchards and among trees where, from shade or root absorption the moisture is too scant for the poas and other soft grasses. In pastures this grass is not quite as bad as some of the other "weed" grasses, because it has some nutritive value, just how much there is considerable difference of opinion.

As regards a remedy for M. diffusa in lawns, usually it does not prefer open ground and if found in the open it is probably because some unfavorable conditions hindered the starting of the softer grasses in the early part of the season. To favor these in the spring by plenty of moisture and perhaps a little enrichment of the soil, as a dressing of bone-meal or other fertilizer, will doubtless help your lawns.

Muhlenbergia sylvatica is most at home in rocky shades, and ranges from New York to Illinois. None of the grasses of this genus (formerly placed in agrostis) seem to thrive in good rich soil. J. H.

A New Cypripedium.

The collection of orchids at Kimball's greenhouses, Rochester, is especially rich in cypripediums. Mr. Geo. Savage, the able superintendent, is particularly fond of them, and no new hybrid of any value escapes his watchful eye. A large number of pedigree seedlings of all sizes are watched daily with untiring and careful interest. Quite a number of them have bloomed and some of these show marked improvements over similar hybrids of recent introduction, but lately when the flower of a particular favorite opened out he found himself the possessor of the best cypripedium ever raised in this or any other country, and his joy knew no bounds.

Druryi × villosum is the parentage and

it is a real beauty. No other cypripedium can compare with it in richness of color. Hitherto the objection to the vast number of this interesting family was the absence of decided colors, but here we have a combination of creamy white, magenta and yellow equal to the splender of a cattleya. The flower is borne on a good stiff and tall stem; in size it is very large with a broad well-formed dorsal sepal, which is shaded yellow distinctly front and back; petals of extra width are thickly covered with minute deep-colored dots, and the pouch is well formed and of bright color. No matter how the flower is turned the rich coloring shows distinctly, even from the back no dull or uncertain tints are visible. A sensation is awaiting the orchid fanciers, and Mr. Savage is justly proud of his pet, more so than of any former acquisition, including the spotless C. Insigne Laura Kimball, which is the only pure yellow insigne, and which never shows any traces of spots in the dorsal.

K.

Florists' Mutual Fire Insurance Association.

The committee appointed by the Society of American Florists to prepare a plan of a mutual fire insurance company met at the Imperial Hotel in New York City on Monday and Tuesday, October 18 and 19. The members of the committee present were M. A. Patten, Tewkesbury, Mass.; E. H. Michel, St. Louis, Mo.; John G. Esler, Saddle River, N. J. and myself. Mr. Seidewitz of Annapolis, Md., was necessarily detained at home. The committee organized by electing Mr. Michel, President and myself as Secretary of the committee. A set of by-laws was prepared by the committee to be submitted to the members of the new association when formed. The by-laws provide in substance as follows: That the name of the Association should be The Florists' Mutual Fire Insurance Association; that its officers should be a president, vice-president, secretary, treasurer and a board of fifteen directors; that the members of the association should elect the directors and the secretary, and the directors elect the other officers. The various duties of the officers are provided for and do not essentially differ from the by-laws of similar associations. Article V. of the by-laws contains the important parts thereof, and is as follows:

INSURANCE POLICIES.

Sec. 1. Policies of insurance will be issued by this association insuring its members against loss by fire and lightning

Sec. 2. Such policies will be written only upon property owned by the insured, and used by him in the growing of plants under glass, and his sheds, stables, barns and dwellings used in connection therewith.

Sec. 3. For the purpose of fixing the rates to be charged for such insurance the following classification of greenhouses is adopted.

CLASSIFICATION.

Class 1. Greenhouses in good condition, heated by hot water or steam, or both, where boilers, flues and pipes are properly insulated with water under pressure on the premises and being within the limits of the city or other corporation having a paid fire department. The insured to keep a watchman on the premises whenever they are heated.

Class 2. Add for no watchman twenty-five per cent. to rate of premium.

Class 3. Add for no paid fire department twenty-five per cent. to rate of premium.

Class 4. Add for no water under pressure twenty-five per cent. to rate of premium.

Class 5. Houses heated by flues to be excluded from insurance.

Kindling wood or other inflammable material in contact with flues, boilers or steam pipes or iron flues in contact with wood work of any description, to cancel obligation of company in case of loss.

Sec. 4. For the same purpose the following classification of barns, stables, sheds and dwellings is adopted.

Class A. All brick buildings with slate or metal roofs.

Class B. All brick buildings with shingle roof.

Class C. All frame buildings with no exposure to other buildings within 50 feet.

Class D. All other buildings.

Sec. 5. The rate of insurance to be charged for all policy holders for the first year they are insured, shall be as follows:

On Dwellings and out buildings.

Class A.	.35
Class B.	.40
Class C.	.50
Class D.	.75

On greenhouses and attached sheds the first year $1.00 upon each $100 on each policy of which the sum 25 per cent. shall be carried to a reserve fund. After the first year such proportionate rate shall be charged as will produce sufficient moneys for the expenses, losses and carry 25 per cent. of the total income to a reserve fund. Should the amount of premium so charged be not sufficient to pay the losses and expenses of the association the board of directors may at any time assess upon the policy holders an assessment not exceeding a full year's rate as fixed for the first year. Before the directors shall make an assessment on its members for alleged loses, the president and a majority of the directors shall make a statement, verified by their oaths, exhibiting the amount and nature of the losses sustained of cash means and premium notes on hand, and the gross amount of the assessment proposed to be levied. Such assessment shall be payable within 30 days from the time a notice thereof is mailed by the secretary to the policy holder addressed to the address stated in the application for the insursance.

Sec. 6. Before any policy shall be issued the applicant for insurance shall file with the secretary a written application duly signed, giving a full description of the property upon which insurance is desired, with such other information as may be required by the blank application submitted for that purpose, or by the officer of the association, which application shall among other things state that the facts therein stated are true, and that the contract shall be void if they are false.

Sec. 7. Blank applications will be forwarded all florists desiring the same. They shall then be filled out by the applicant, signed and forwarded to the secretary.

Sec. 8. Upon the receipt of the application the secretary shall at once examine the same and if the application is approved at once notify the applicant of the amount required to pay one advanced assessment on such application. Upon receipt of such advanced assessment a policy of insurance shall at once be prepared and forwarded to the applicant, which insurance shall be in force as soon as the policy is deposited in the mail by the secretary.

Sec. 9. The president, treasurer and secretary shall constitute a rate committee to whom the secretary shall refer all doubtful applications before approving the same. Said committee shall also fix rates upon all risks either less or more hazardous than those especially described in these by-laws.

Sec. 10. All policies issued by the association shall be upon a form adopted by the board of directors and shall insure the assured against loss by fire or lightning for a period of seven years from the date thereof unless sooner terminated under these by-laws or the terms of the policy. After the expiration of said seven years said policy may be renewed for a like period by endorsement thereon by the secretary.

Sec. 11. Each policy issued for a period of seven years shall be subject to an assessment at such time or times as the needs of the association require as herein provided. As soon as an assessment is levied the secretary shall at once notify by mail all persons liable to pay the same stating the amount of the assessment; such assessment shall thereupon be payable within 30 days from the mailing of such notice. Should such assessment not be paid within 30 days by any person his policy shall thereby be suspended and while such assessment so remains unpaid the association shall not be liable thereon. If said assessment is paid after 30 days and within 90 days the same shall be reinstated without liability on the part of the association for the time the same remained due and unpaid. If said assessment remains unpaid for a period of 90 days from the mailing of such notice, said policy shall stand forfeited and cannot be reinstated but a new policy may be issued.

Sec. 12. No more than $5 000 of insurance shall be taken upon any building or buildings not entirely detached from each other.

Sec. 13. No member of this association shall incur any obligation to any other member by becoming a member herein or insuring herein, except for the payment of assessments levied while he is a member.

You will note by this that the committee concluded to not issue any policies exceeding $5,000 upon any single block of buildings. At first the committee disagreed upon this proposition. Some urged that it was as safe to take larger insurance upon larger plants, as it was to take small risks upon smaller plants, but the danger of ruining the association in its early days finally induced all to agree that at least for the first year no policy should be issued for a larger sum. At the outset there was a difference between the members of the committee upon the question of insuring the contents of greenhouses, but after much discussion it was decided to not recommend the insuring of contents until the association had at least one year's experience. It will be remembered that this committee had no power to adopt by-laws, but simply to formulate the same and lay them before the general meeting when called. It is hoped by the members of the committee that those interested will not hesitate to discuss the questions presented by these by-laws, either by personal correspondence with the members of the committee or through the trade papers.

After formulating the by-laws the committee concluded to prepare a form of application of insurance to have circulated among those desiring to become members with a view of having them filled out at as early a day as possible, and to ask that the applications be accompanied by the sum of $1 per thousand or 10 cents per hundred. If this is done the applications can be classed and the rates fixed, and the association be in a position to do business at once after the general meeting referred to.

Everybody will at once understand that the association can not commence doing business until it has in hand a large number of applications, and is able to issue a large number of policies at the same time. The committee now has informal applications by letter for about $700,000 of insurance and if the florists respond promptly there will be no difficulty in reaching the million mark by the time we are ready for business, which we hope will be about the first of December. The rate fixed for the first year is believed to be much higher than will be required in the future, but it would be a mistake to start with too low a rate.

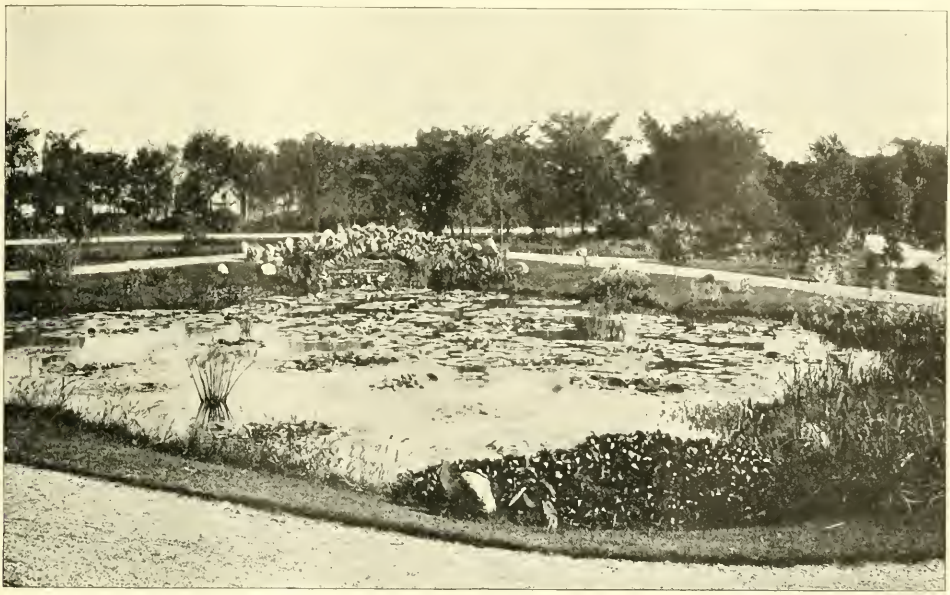
Ft. Wayne, Ind. W. J. VESEY.

Black Asphaltum on Heating Pipes.

I would like to know through the columns of the FLORIST if the common black asphaltum used for painting steam and hot water pipes, castings, etc., is injurious to plants when applied to hot water pipes in a greenhouse. T. B. S.

The material mentioned, if applied to pipes in a house where plants are growing, would certainly be injurious to them. I have seen plants injured from the fumes of this material months after it was put on the pipes, and in another case I saw this paint applied during the very hot weather in summer when the greenhouse was quite empty of plants which enabled the paint to get thoroughly dry and hard before any fire heat was applied, or any plants put into the greenhouse, and in this case there was never any apparent damage done to the plants when put in the house or afterwards; but there might have been considerable diffcrence in the composition of the two lots of asphaltum paint. I certainly should not like to use it myself, as anything with any composition of tar in any form applied to heating pipes is certainly more or less injurious to plant life.

If T. B. S. objects to rusty pipes and wishes to paint them black, a very cheap and effective black paint for the purpose can be made by taking lampblack and



ONE OF THE NEW PONDS OF AQUATICS IN HUMBOLDT PARK, CHICAGO.

good linseed oil; when thoroughly mixed add one pound of Japan black ground in oil to every six pounds of the above; keep it well stirred while applying to the pipes, and if allowed to dry gradually (i. e. do not heat the pipes over 75° till the paint is set quite hard) he will have a nice clear black paint that will stand on his pipes for years unless they are laying on damp ground or under drips, etc.

There may be other paints equally as cheap as the above and equally good, but I have found the above very cheap, easily made by any ordinary workman, easily applied and without any injurious effects whatever to plant life. JOHN N. MAY.

Heating Notes.

As the season of steady firing is now upon us, a few seasonable suggestions relative to this important detail of greenhouse work may not be out of place. It would be good policy to thoroughly examine the smoke pipes, flues and chimneys and satisfy yourself that all are in perfect condition, for nothing is more annoying and oftentimes the cause of much trouble and unnecessary expense than, just as the really cold weather sets in and steady, sharp firing is necessary, to have a smoke pipe give out, or find that the draught has become sluggish through defects in chimney or flue.

The smoke pipe connecting your boiler to the chimney should be taken down and cleaned out and carefully looked over to see that no part is very much rusted, for when the gases from the fire strike such spots they soon spread, which causes the pipe to ultimately collapse. In replacing the smoke pipe, cement any openings which may exist at its junction with the boiler, also fill up with mortar or cement any space left between the pipe and brickwork, where it enters the chimney.

In cases where the chimney is built with single brick walls only, which, though very bad practice, is unfortunately a very common occurrence, be careful to have all joints between bricks well jointed up with cement and see that the cleaning out door or hole at bottom of the chimney is closed tight. It would also be well to satisfy yourself that there is a clear air space of not less than three inches between the outside of the chimney and any surrounding wood work. A galvanized iron flue or smoke pipe should be at least nine inches clear from any wood work, and even then it would be well to protect the wood with a sheet of tin hung about one and a half inches away.

The grates also require attention at this season and if any are found much burnt, or even slightly bent or twisted, new ones should be procured and kept on hand in readiness for prompt insertion when needed; it is an expensive and careless policy to wait till the old grates allow the fire to fall out before thinking of new ones.

A set of grates of good design and proportions should last from one to three years, yet I have known of many instances where they did not last two months, and the makers consequently received considerable criticism and oftimes abuse for using "bad iron," whereas the cause in 95% of such cases is not "bad iron," but "bad management" or carelessness on the part of the man tending the fires. It is possible to burn out, or melt a set of grates in one night, the requisite conditions being an ash-pit full of hot ashes, a strong fire and fire door thrown suddenly wide open; with these conditions you may look for molten grate bars in about thirty minutes. I cannot, therefore, impress too strongly upon those having charge of the firing, to see that the ash-pits are cleared free from ashes at least once daily.

HENRY W. GIBBONS.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Dahlia Notes.

STORAGE.

When removed from the ground dahlia tubers become very susceptible to atmospheric influences. If kept in too dry a place they shrivel and eventually lose all vitality long before it is time to return them to the ground. Excessive moisture is equally fatal, developing rot and bringing woe to the grower's soul when he finds his much prized bulbs a mass of decay. The slightest touch of frost is disastrous and I am very strongly inclined to believe that a temperature of three or four degrees above the freezing point is mischievous. A suitable temperature and a proper amount of humidity in the surrounding air are therefore to be sought, and if these conditions are supplied there is little loss during the winter.

The second condition is the difficult one to satisfy, so that upon this practically depends the whole matter. Some cellars will keep the roots perfectly while others are just as certain to cause loss. If kept in a greenhouse, as is often done, the buds will start and make growth too early in the season. It not unfrequently happens that those stored on shelves near the bottom of a cellar will rot, while those stored on upper shelves will at the same time dry and shrivel. They have been known to decay placed loosely on a cellar bottom while others, placed in a box raised eight or ten inches from the ground, have kept perfectly.

The one plan which seems to meet all conditions most fully, is to surround carefully with dry earth. This can be easily done by packing the roots closely in a box or barrel and then shoveling dry earth, the drier the better, on top. By shaking and jarring the earth can be made to penetrate into all the unfilled space, practically excluding the air and securing uniformity of temperature and moisture. Thus protected they have been

known to keep in good condition from the middle of September until the first of the following July and come out in good condition with well-formed sprouts. Even thus tender varieties will sometimes succumb to adverse influences but the great majority will pass through the winter in perfect condition. H. F. BURT.

Boston.

A DEPRESSING CONGESTION IN THE CUT FLOWER TRADE —VISIT TO A CHRYSANTHEMUM "FARM."—A NEW VENTILATOR. —EXHIBITION PROSPECTS.

Boston is experiencing one of the most depressing periods in the history of its cut flower trade. This is especially so as seen by those who judge the flower business of today by old standards. The continued warm, bright weather is in part responsible for the tremendous overstock of all kinds of flowers seen on all sides, and colder temperature, cloudy skies and wintry winds will in the course of time do their part to relieve the burden. But it is not difficult to see that the present condition is also due to broad tendencies of the trade that are beyond the control of either man or weather and that the wise man will endeavor to adjust himself to the new order of things rather than to fool himself with any hope of a return of old conditions. The equipment that afforded a grower a good living a few years ago is no longer adequate and this is more plainly evident each succeeding year. Each individual will have to decide for himself whether the present or the future present encouragement sufficient for him with his present investment to continue as heretofore and it requires no demonstration other than what one sees in and about the flower marts to show that the question will prove a knotty one for some of the smaller growers. It is true that the increase in commercial glass in the immediate vicinity of Boston has been proportionately much less than in some other sections of the country and hence the local surplus is not so unwieldy but the overproduction in other places has driven quantities of their product here in search of a better market and congestion quickly follows, with its unavoidable consequences.

A very pleasant afternoon was spent last Saturday by a party of gentlemen from Boston and vicinity at the greenhouses of E. N. Pierce & Sons at Waltham. Mr. Pierce was, until a few years ago, in market gardening exclusively but low prices in that line forced him, as well as many others, to find some more remunerative use for his greenhouses. Up to date chrysanthemums have been his fall specialty and Easter lilies his spring crop. In the winter the houses are devoted to beets and in the summer to cucumbers, so they are never idle. The place is quite extensive some of the houses being "sash houses" and others of modern pattern with large glass, etc. One of the latter was built this season, 24x185. One of the younger Messrs. Pierce has designed a greenhouse ventilator and just secured a patent on it. It is a simple and very powerful device and impressed the visitors as being decidedly an improvement over anything in this line yet offered. The industry and mechanical ingenuity of the younger members of the firm are shown by the fact that the building and equipment of the houses have been exclusively home work. There are large quantities of carnations, mignonette and chrysanthemums. Of the latter the cut for the past week has averaged over one hundred dozen a day. Bergmanns are all cut and Gold Lode and Ivory are now going. Of Ivory there are two enormous houses seemingly enough to supply the entire Boston trade. After the establishment had been inspected the visitors were escorted to the work room where a lunch was spread out and a pleasant social hour was spent in which the various members of the party took part, each in his own specialty of oratory, song, story or dance. Col. Pierce, a brother of Mr. E. N. Pierce proved to be a vaudeville star of the first magnitude and has already been spoken for as a drawing card at future Florist Club meetings.

The Boston chrysanthemum exhibition will open on Tuesday, November 2, and continue four days. If equal to its predecessors, and of this there is no doubt, it will pay chrysanthemum admirers from other states to come and see the products of the horticultural skill of their Boston brethren and they will be gladly welcomed. In fact the date of this show was purposely fixed so as to conflict as little as possible with the time of exhibitions elsewhere and it is hoped that the opportunity will be taken advantage of. There were a few very fine blooms at the Hall on Saturday, 22d, from W. N. Craig and H. A. Wheeler.

Visitors in town: Samuel Henshaw, New York; J. R. Fotheringham, Tarrytown, N. Y.; Walter Mott, Philadelphia.

New York.

MARKET DEMORALIZED —CAUSES —FLOWERS IN MARKET.—AMERICAN INSTITUTE SHOW.—PRIZES.—SEEDLING CYPRIPEDIUM. —DEATH OF J N HAUSER.

The cut flower market continues in an unprecedentedly demoralized condition. Various contributary causes are responsible—the tearing up of the fashionable residential streets for pipe laying, etc., the warm weather and the most exciting election contest of the present generation —and all are impatiently looking forward in hopes of seeing some indication of an improvement, but without much success as yet. Violets have improved wonderfully and there are now offered quantities of them in best grades. Fine cattleyas are seen frequently and there are a few Roman hyacinths and white narcissi already on deck. Roses are discouragingly heaped up and chrysanthemums overwhelm everything else. Carnations do not seem to be over-abundant but there is no special activity in the demand for them.

The display of chrysanthemums at the American Institute show, this week, is fine and many of the blooms shown are superb. A. Herrington, gardener to H. McK. Twombly is one of the largest exhibitors. He took first prize on vase of whites (Mrs. Robinson) vase of yellows, (Bonnaffon), on three varieties six of each, and five varieties six of each and also staged a group of orchids and ferns that attracted much attention. Dailledouze Bros., Ernst Asmus, J. N. May, E. G. Hill & Co. and Wm. Duckham, gardener to D. W. James, all contributed grand specimen blooms, the latter taking first prize for twelve Japanese. Geo. H. Hale, gardener to J. E. Brown was awarded a special prize for twelve Japanese, and Robert Laurie, gardener to C. Vanderbilt took high honors for a yellow seedling of exceptional merit named Peter Kay. A first-class certificate was given to George Savage, gardener to Mrs. W. S. Kimball, for a beautiful flower of seedling Cypripedium "Anna Savage," a cross between C. Curtisii and C. Chas. Canham. M. J. Moore got a diploma for an astonishing bunch of violets. Dailledouze Bros. and H. Weber & Son were represented by good displays of carnations. The stage was effectively massed with foliage plants from Julius Roehrs.

J. N. Hauser, one of New York's oldest and most respected florists, died on Sunday, 24th inst. after a long and painful illness, at the advanced age of ninety-one years.

A. Dimmock of Sander & Co. has gone on an extended western business trip.

Chas. Thorley has returned from his European trip.

In town, H. G. Eyres, Albany; H. G. Faust, Philadelphia.

Buffalo.

'MUMS IN QUANTITY —NOT YET AN OVERSUPPLY —IVORY AT THE HEAD —CARNATION FLORA HILL.—FINE BEAUTIES — GOOD VIOLETS —NO STARTLING NEWS — EARLY CHRYSANTHEMUM SHOWS.—SOME VERSES.

The smoke has disappeared because some rain fell and put the fires out and lovely autumn weather has prevailed. The queen of this season is here in quantity but I have not yet heard of an oversupply. True there has been no accident reported from people fighting with each other to gain access to the counters where these showy flowers are sold, but unless some people who grow more flowers than they can profitably dispose of send them in by the cord and swamp us, we have nothing to complain of.

It's always pleasant to say a good word about anybody or anything, and as there are so many good people and such good and beautiful flowers I must not be thought a flatterer if I say again that preeminent above all chrysanthemums stands one and that is Ivory. If W. K. Harris missed twenty-five straight he would be forgiven for he has immortalized himself as Burns did when he wrote the "Cotters' Saturday Night," by raising and giving to the world Ivory. I see in the Philadelphia notes that the Pink Ivory is now producing white flowers. Why not? It is only a sport and sports till fixed by years would naturally revert back to the type from whence they came. Note the features on some of the human family and see how closely they resemble our remote ancestors. But this is a large subject and we will revert to carnations which are now assuming their winter form or better.

I was glad to see what an excellent grower and lifter that fine white carnation Flora Hill is. It promises to be as good as the flowers led us to hope that were so beautiful at Cincinnati, and is about as little troubled with rust as you would expect from one of those establishments where all are "free of rust."

I can say little about roses just now, only those grown by those who profess to grow them locally as well as imported stock are fine. If there is an exception worth noting it is the excellence of the Am. Beauties cut by W. J. Palmer & Son, and they have more to come, so they say. You ought to see the violets that are grown here. The individual flowers will cover the usual space and the leaves resemble those of a Brussells Sprout when not over vigorous. The above description is somewhat ambiguous to the uninitiated, but they are really fine and if the demand is as good as the violets our slumber will be sweet.

Nobody in the business has died this week or committed any "criminal crime," nor has a drummer made our life weary, so there is nothing startling to relate ex-

cept a little effusion of the muse, which if your gentle readers will allow it would be a pleasure to indite. It was so pleasant this week to see a few lines in your columns from the pen of that absolutely correct man in all respects, one who can pen the most pleasing tale of truth, of science, art or literature, but whose modesty subordinates his brilliancy. The writer of the few lines quoted below was, I believe the first to hold a chrysanthemum show on his own individual efforts and I must truthfully say that it was a far better and more pleasing show than the one held over a cellar two years later by the great city of New York presided over by "Uncle John" and chiefly remembered from the awful gusts of wind that came up through the plank floor and the terrible cockney accent of the young man who peddled flowers on a board near the entrance of the tent, which in external appearance much resembled one of "4 paws" side shows. But fancy putting a show held entirely by "one man effort" in a small city by the wide and shallow Allegheny River against the metropolis. Mr. Bell says in a letter to me a few years ago: "In clearing up a shed the other day my boys came across a dodger that I had issued with my chrysanthemum show in 1887, and the lines may suit your omniverous appetite." As I have had these lines some years they are growing riper all the time and now I think 'tis time to give their aroma to my friends.

Of all the flowers that blow between the snow and snow.
The Trillium, the Lilium, the Leucanthemum,
There are none in all the row that make so great a show
As that lingering flower of autumn the chrysanthemum.

The violet and the rose are sweeter I suppose,
And more modest is the pink mesembryanthemum,
But for eyes as well as nose and to please the maids and beaus
There is nothing like the gorgeous gay chrysanthemum.

While on this sort of thing, and it is very well for those that like that sort of thing, I want to quote a few lines that were inclosed with the gift of a meerschaum pipe to a good friend. The author you must guess, and he wrote it in three minutes by the watch, October 24, 1897.

When troubles large and small appear,
Don't turn to whisky or to beer,
But puff away at your old pipe,
Soon troubles will be thin as light.

When color on its cheeks assume
That richness which is age's bloom,
You'll find its flavor much increases
As wit with age our end it reaches.

W. S.

Chicago.

TRADE SOMEWHAT SLOWER.—NO CALL FOR INFERIOR STOCK.—CARNATIONS GO SLOWLY.—CHRYSANTHEMUM CONDITIONS.—ST. LOUIS BOWLERS VISIT CHICAGO.—CHICAGO WINS.—THE SCORES.—CLUB MEETING.—CHRYSANTHEMUM DISCUSSION.—PROGRAM FOR WINTER.—ANNUAL ELECTION.—ANNUAL SUPPER NOV. 11.—THE CHRYSANTHEMUM SHOW.

Trade appears somewhat slower than last reported, with prices remaining practically the same. There seems to be a fair demand for No. 1 stock, but no call whatever for the great amount of inferior quality. Carnations are very plentiful and meet with slow demand. Prices range from 75 cents to $1 for average quality, fancies selling for $1.50. Chrysanthemums are now getting to be at their best. The demand for this flower is not as brisk as last season, and prices are also less. The Illinois Cut Flower Co. handle very fine blooms, their best sellers being Bonnaffon and Ivory, the latter in both pink and white forms.

The visit of the St. Louis Bowling Club's team to this city was a decided "event" in local trade circles, and the Chicago talent did their best to make the visit a pleasant one. It is true that Chicago won in the match of five games, but aside from the result of the bowling no complaint from the St. Louis boys was heard. The party included Messrs. E. Kuehn, J. J. Beneke, J. W. Kunz, A. Bauer, Emil Schray, Chas. Beyer and Mr. Weber, Jr. They were met at the train by a committee from the Chicago club and at once taken to breakfast, after which a walk was taken around the city, looking into the Auditorium Hotel, Masonic Temple, etc., and calling upon retail and wholesale florists that were most conveniently reached. The Kinsley alleys had been selected for the games, and this point was reached so as to start the games promptly at 1 o'clock. The alleys are undoubtedly the best in the city. They are regulation alleys, and the pair used were constructed especially for match games. They were in prime condition and were as true as alleys can be made. A lunch was served on tables at the side of the alleys and abundant liquid refreshment was provided. Everything passed off very pleasantly and nothing happened to mar the pleasure of the occasion. Five games were played and Chicago won by 581 pins, having a total of 3,979 pins against 3,398 by St. Louis. In individual totals J. S. Wilson was first with 725, John Zeck second with 718, G. L. Grant third with 696. In single game scores G. L. Grant was first with 181, Chas. Beyer second with 179, John Zeck third with 165. Following is the score in detail:

CHICAGO.

	1st game.	2d.	3d.	4th.	5th.	totals
J. S. Wilson	156	151	137	132	149	725
G. L. Grant	120	144	181	135	116	696
P. J. Hauswirth	115	115	118	109	152	609
John Zeck	155	146	165	118	134	718
C. W. McKellar	119	119	146	114	120	618
Chas. Reid	123	103	159	91	137	613
Totals	768	778	906	699	828	3979

ST. LOUIS.

	1st game.	2d.	3d.	4th.	5th.	totals
Chas. Kuehn	125	140	122	101	95	583
J. W. Kunz	133	98	122	118	153	624
A. Bauer	81	107	86	115	81	470
E. Schray	113	102	114	123	109	561
J. J. Beneke	99	119	125	151	115	609
Chas. Beyer	179	133	92	96	151	651
Totals	730	699	661	704	704	3398

After the games were concluded the visitors were dined and then taken to the theatre, after which they were placed safely on their train, which left at 11:30 p. m. Both guests and hosts enjoyed the sport hugely and there is talk of a return visit by the Chicago bowlers to their St. Louis friends.

The Florist Club meeting last Thursday evening was very well attended, and those present were well repaid for coming. The feature of the meeting was a most practical paper on chrysanthemum culture by Mr. G. Stollery, which will appear next week. It was very fully discussed by the members, particularly the statement that a large number of flowers were cut and sent to this market before the flowers were fully developed, and that this resulted in loss to the grower and dissatisfaction to the buyer. The discussion widened to include other flowers and the difference in value between flowers that were cut right and those that were not was strongly emphasized. The subject seemed so large that it was referred to the committee on program who will undoubtedly provide for discussion of the various phases of the matter at future meetings. That committee had already reported the following program for the winter:

Nov. 11. (Show week). No provision as on this date the annual supper takes place.

Nov. 25. Call to resident florists to become members of the club.

Dec. 8. Fumigation versus liquid insecticides.

Dec. 22. (Christmas week). Nothing provided.

Jan. 13. Ladies' night.

Jan. 27. Pot plants for market.

Feb. 11. Retailers' night.

Feb. 25. So near Carnation convention nothing provided.

Mch. 12. Roses and violets.

Mch. 26. Lilies and other bulbs.

Apr. 9. Private gardeners' night.

Apr. 23. Bedding plants.

May 6. Palms, ferns and other ornamental plants.

May 20. Sweet peas and plants for summer blooming.

The committee will arrange with one or more members to open discussion on these subjects on the dates indicated.

The annual election of officers resulted as follows: G. L. Grant, president; E. Wienhoeber, vice-president; T. F. Keenan, recording secretary; C. W. McKellar, financial secretary; W. W. Barnard, treasurer. Trustees: P. N. Neiglick, C. W. Johnson, Edgar Sanders, John Reardon, J. S. Wilson.

A committee was appointed to arrange for the annual supper which will take place Thursday evening, November 11.

In addition to reading his paper Mr. G. Stollery displayed at the meeting three magnificent blooms of chrysanthemum Mrs. A. J. Drexel. W. N. Rudd showed some splendid blooms of Chebeaque, pink; Defender, red; Ivory (grandly done); Evangeline, Mr. May's new white, and it showed up very much better than at the C. S. A. committee meeting last year; as grown by Mr. Rudd this year it should score well into the 90s; Souv. de Petite Ami, white; May Foster, white; a yellow seedling, a cross between Harry Balsley and Mrs. Jerome Jones, a fine flower. Mr. Johnson, Mr. Rudd's foreman, is to be warmly congratulated on the fine blooms displayed. Mr. A. McAdams showed a pot plant of the dwarf single pink chrysanthemum Mizpah. It was a little beauty and Mr. Reeve, the foreman, says the plants meet with ready sale at a good price.

Chrysanthemum show passes will this year be given as usual to all members of the Florist Club who are not in arrears for dues. Members in arrears should remit at once to the financial secretary, Mr. C. W. McKellar, 45 Wabash avenue, that their names may surely be included in the list of those who are to receive passes.

The revised premium list for the chrysanthemum show has been issued and contains several new features. Among the special premiums already provided for is a splendid silver cup valued at $25 offered by Spaulding & Co. for "Best 12 new roses never before exhibited in this country." It is expected that the International Competition in chrysanthemum cut blooms will be a most interesting feature to those in the trade. The art exhibit in connection with the show will be made by the Cosmopolitan Art Club and will include the works of artists in eastern cities as well as those of this city. Flowers, art and music ought to make a very happy combination.

Colored chrysanthemum show posters are ready for distribution and anyone in

the trade who has not received one or more to display in his place of business is requested to call on or notify G. L. Grant, 322 Dearborn street.

Mr. Fred Breitmeyer, Detroit, Mich., was among visitors in town.

Philadelphia.

BUSINESS IMPROVING IN SPOTS.—CHRYSANTHEMUMS IN GOOD DEMAND. — ROSES RATHER UNDERGRADE —CORRECTIONS — G. A. STROHLEIN MARRIED.—E. E. LEIKER TO REMOVE TO LANSDOWNE.—IVIES.—NEW WAGONS.

Business has improved a trifle, in spots, as it were, some of the brethren being very busy and others wishing they were. Perhaps if the weather would get cooler things would get better. What demand there is calls for good stock, in fact customers seem to be getting more and more particular and flowers of ordinary grade are very hard to dispose of. Chrysanthemums are holding their own in the race, in fact the demand can be called good. Blooms that retail in the stores from $1 to $3 per dozen are selling as well as anything else, while a few extra choice bring $5 for the same quantity. Roses, particularly Beauties, have not been up to the mark the past ten days; for a while past most of the growers sent in stock in which even among their best dozens many of the roses had fringed or scalloped petals; such frills do not improve the Beauty and in many cases render otherwise fine buds unsalable. What is the cause of this, Brother Simpson? Nobody hereabouts seems to know. Fine Beauties are money makers for everybody concerned, but poor stock puts no wealth in the bank and produces such a state of mind that many a misstep is made on the golden stairs.

Prices are about the same as last week, in fact if anything they are weaker as the store men are buying only for their immediate needs. When flowers are fine dealers are not afraid to speculate a little and will carry more than their daily business seems to warrant in the hope that the beauty and excellence of their stock will tempt the public and thus enable them to sell out. Carnations are still improving and will soon be in championship form as the football experts say of their players. Prices of these flowers are also about the same. Violets are considerably better and some fair stock can now be had; 75 cents per hundred is still highest for the doubles. Supoit is sending some good Princess of Wales; he has an immense stock of this fine variety.

Almost any color can now be had in chrysanthemums. Ed Reid had in the first G. W. Childs last Wednesday and plenty of good yellow, red and pink are to be seen in all the store windows. Prices range from $3.50 to $25 per 100, the majority of the stock going at from $10 to $15. We were in error last week in reference to Pink Ivory; this variety opens nearly white and turns pink afterwards. Mr. Craig's white sport from Mrs. E. G. Hill, the early pink, is a fine thing. Mr. Craig called it Bessie Burton and intends to grow a lot of it next year; it is as early as Mrs. Hill and pure white.

Another error crept into our report of last week in reference to the selling of plants by the H. A. Dreer Co. from their large van. Samples only were carried, so that dealers who have not the time to visit their nurseries could get the next best idea of the stock they carried; orders were thus taken and delivered in the regular way.

Geo. A. Strohlein, one of the Dreer superintendents, returned from a European trip last week. The tour abroad was most satisfactory; the best of everything was secured, including a certain German lady who is now Mrs. Strohlein. Our congratulations are extended to the happy pair.

Emil E. Leiker, of 52d and Greenway avenue, has purchased two acres in Lansdowne, Delaware County, next to Casper Pennock's, and will remove his houses to the new location next spring.

It seems there are a few ivies about this village, our report to the contrary notwithstanding. We referred, gentlemen, to fine salable plants, such as are to be had in the New York market and not stock from 4-inch pots. Anybody can root ivies, but it takes a trained hand to put size and a salable finish to them.

Mrs. M. Heron, of 18th and Chestnut, is to put a new wagon on the street soon; our little bird says it is to be a dandy. H. H. Battles has had one of his painted a light green running gears and body. The sides are decorated with a palette and brushes resting on roses from which starts his signature. Artist in flowers is the idea, which is well conveyed by the design and better carried out by the gentleman himself, who is one of the best in the business. K.

St. Louis.

TRADE GOOD, BUT MARKET OVERSTOCKED. —HARD TO QUOTE PRICES —CORRECTION. —A CARNATION WITH EVERY DRINK — VARIOUS ITEMS.—BOWLING.

Trade the past week has been very good. After a few days of cool weather it has suddenly turned warm again, but no rain, which is needed very badly. The market is overstocked with everything except good chrysanthemums. The general report is that a great many of our best chrysanthemums will be late for the show.

It is very hard to quote prices on roses as the glut is so great that they hardly bring anything. The very best of stock can be bought for $2 and the rest go for 50 cents to $6 per 100 in 1000 lots. Carnations also are plentiful, though good reds are very scarce. Scott, Daybreak and all whites are sold at $1 per 100 and in 1,000 lots can be bought for $5. Cosmos is slow and lots of it is going to the dump pile. Violets are in demand and lots more could be sold if we had them. Valley is more plentiful now but is selling slow at $3 and $4.

Mr. W. W. Stertzing, of the Maplewood Floral establishment, reports that he is the proprietor and that Mr. Bouche is only the landscape architect for him and has no interest in the concern.

The Krebs Floral Co., at 602 Olive street, has distributed a lot of small cards among the down town saloons, stating that any one who buys a drink gets a ticket good for one carnation at their establishment. This very bright idea originated with their manager.

Mr. C. A. Kuehn reports that wild smilax is hard to get just now. A. R. Carter & Co., of Evergreen, Ala., has written that all trains have been stopped for the present.

Mrs. L. Rosenbaum, florist, of Meridian, Miss., spent last week in St. Louis.

All the bowlers who went to Chicago got back Monday morning and the telephones were kept busy asking all about Chicago and the games, and all we could say was that we met the enemy and they beat us; and all we have to complain about is that the finger holes in the balls were too close together. The Chicago bowlers were used to them and we were not. I will not publish the score, but will leave that for the Chicagoans.

One thing I must say: We were never treated better in our lives. Nothing was too good for us. Anything we wanted we could have (except the games) and I am requested to thank the Chicago boys for the royal treatment we received at their hands. But wait until you come in our back yard, and we hope it will be soon, so we may have a chance to get even.

We did not bowl Monday night. The boys thought they needed a rest, but next Monday will find us at the same old place and all feeling better. J. J. B.

Baltimore.

TRADE CONTINUES SLUGGISH.—MR. BINDER'S EXHIBIT OF 'MUMS AT CLUB MEETING.—QUESTION BOX.

Trade continues very sluggish, and prices generally unsatisfactory. Opinions differ as to the cause, but the most competent members of the trade are agreed that improvement will follow the first severe frost.

At the club meeting last Monday night Mr. W. Paul Binder exhibited blooms from five seedling chrysanthemums. The committee appointed to report on them, Messrs. C. M. Wagner, Henry Fisher and Wm. McRoberts, Jr., recommended No. 1 a superb globular white on the order of Niveus, and No. 2 a sulphur yellow much the same in size and shape, for certificates; and praised Nos. 3 and 4 highly, although they were not developed sufficiently to pronounce a decided judgment upon their size and shape. Notwithstanding the slim attendance on account of the continuous rain, the members present took an active interest in the question box and several questions were debated with great spirit. Some humorist in the club put in the question, "Who will pay his mortgage with cabbage next year?", alluding to Mr. Vincent's having told of paying off one of $4,800 with that crop. No one present seemed to feel capable of duplicating the accomplishment and took more interest in the second question, "Best early pink chrysanthemum?" Mr. Fred Burger thought Mrs. Hattie the best, Mr. Fischer supported Glory of the Pacific and Elvina, and Mr. C. M. Wagner held out for Mrs. Parker.

The next question, "Is it profitable to bring chrysanthemums in extra early?", was answered with a decided negative by Pres. Pentland, but Mr. H. Ekas thought it altogether a matter of weather, as a severe early frost made everything else scarce.

"Is there any future for the chrysanthemum?" brought out a surprising diversity of opinion. Mr. C. M. Wagner thought the gardeners as well as the general public were losing interest in them and the prospect was not cheering. Pres. Pentland did not think they would ever pay again, and regarded the present stagnation and low prices as the natural result of overproduction and lack of interest. Mr. Burger took a more hopeful view and thought a severe frost would materially alter the present state of the market for the better. Mr. W. P. Binder said Fisher & Ekas were an example of how a fortune can be made out of chrysanthemums, though they were keeping it quiet.

The general tenor of the discussion seemed to be that the limit of improvement in the flower had been nearly reached. MACK.

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Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

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Cleveland.

The exceedingly fine weather we have had, one may say all fall, is showing its effects now to some extent. Chrysanthemums, not only in the very early sorts, but in those also that come later, are somewhat in advance of other years with nearly everybody and with a good many for some apparently inexplicable reason, show a slight falling off in quality in a good many sorts. They continue to sell very well, with few going to waste. There is a very evident shortage of good pink ones just now with a good many florists. With such sorts as Viviand-Morel nearly ready to cut this will probably not last long.

Chrysanthemums being in good supply or else the fine weather lending itself to the rapid development of other flowers, brought out the rose signs the other day that ordinarily do not appear until the gentle spring time. "Roses 25 cents and 50 cents per dozen to-day," they read. There may have been other reasons satisfactory to the proprietors of the signs, through certainly no other grounds appear on the surface.

Gasser's window has been particularly beautiful the last few days, a log handsomely decorated with cattleyas forming the principal feature.

Arrangments for the chrysanthemum show are progressing satisfactorily. Arrangements were made at the last meeting whereby the advertising end will be thoroughly attended to by experts in that line, upon terms that certainly appear very advantageous to the florists' club.

Bowlers' night, Monday, Nov. 1. A.

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Chrysanthemums fancy	10.00@	25.00
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Smilax	10.00@	12.50
Adiantum		1.00
Asparagus	35.00@	50.00
	CINCINNATI, Oct. 28.	
Roses, Beauty select		20.00
" medium	10.00@	15.00
" short	4.00@	8.00
" Brides, Bridesmaids	2.00@	4.00
" Meteors, Morgans	2.00@	4.00
" Perles	2.00@	3.00
Carnations	.75@	1.00
" fancy		1.50
Valley		4.00
Violets		.50
Chrysanthemums extra	12.00@	20.00
" medium	6.00@	10.00
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Carnations	.50@ .75
" fancy	1.00@ 1.50
Violets	.75@ 1.00
Valley	4.00@ 5.00
Cosmos	.25
Chrysanthemums extra	10.00@15.00
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Carnations	.50@ 1.00
Valley	1.00@ 2.00
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Mignonette	1.00@ 2.00
Chrysanthemums	2.00@12.00
Adiantum	.50@ .75
Smilax	6.00@10.00
Asparagus	35.00@41.00
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Roses, Beauties	6.00@25.00
" Gontier, Perle	1.00@ 2.00
" Bride, Bridesmaid, Meteor	2.00@ 5.00
Carnations	.75@ 1.50
Valley	2.00@ 4.00
Chrysanthemums	4.00@16.00
Adiantum	1.00
Smilax	10.00@12.00
Asparagus	.50 00
	PHILADELPHIA, Oct 27.
Roses, Beauties select	20.00
" " medium	12.00@16.00
" " short	6.00@ 8.00
" Brides, Maids	2.00@ 4.00
" Meteors, La France	2.00@ 4.00
Carnations	.75@ 2.00
Valley	3.00@ 4.00
Chrysanthemums fancy	5.00@25.00
" ordinary	8.00@12.50
Violets, double	.50@ .75
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34 W. 29th Street, NEW YORK,
WHOLESALE • FLORIST.
Careful Shipping to all parts of the country. Price list on application.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.
WELCH BROS., PROPRIETORS.
Consignments from regular growers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.
THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

TRAENDLY & SCHENCK,
Wholesale Florists,
Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.
38 West 28th St., and Cut Flower Exchange.
Tel. 961 18th Street. NEW YORK CITY.

J. K. ALLEN,
Wholesale Florist,
57 West 28th Street, near 6th Ave. Elevated R. R. NEW YORK,
BEAUTIES AND VIOLETS, SPECIALTIES.
Consignments Solicited.

JAMES M. KING
is completing additions which will make his store THREE TIMES AS LARGE as at present.
CUT FLOWERS, WHOLESALE.
Growers for New York market please call or write.
49 WEST 29TH ST., NEW YORK.
TELEPHONE 1075 38th St.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Specia Attention Given to Shipping Orders.

GEORGE A. SUTHERLAND,
Cut Flowers AND Florists' Supplies
WHOLESALE.
67 Bromfield St., BOSTON, MASS.

Wholesale Florists
ALWAYS ON HAND:
CARNATIONS,
BRIDESMAIDS,
BRIDES.
JOBBERS IN
N. F. McCarthy & Co. FLORIST'S SUPPLIES.
FLORISTS' VASES.
Horticultural Auctioneers.
84 HAWLEY STREET, · BOSTON.

Asparagus Plumosus Nanus.
Strings 10 to 12 feet long,
50 CENTS.
W. H. ELLIOTT, Brighton, Mass.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
Price list on application.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.

JULIUS LANG,
Cut Flowers on Commission.
53 WEST 30TH STREET,
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MacDONALD & McMANUS,
WHOLESALE DEALERS IN
CUT FLOWERS,
SOLICIT SHIPMENTS ON COMMISSION.
50 W. 30th Street, NEW YORK.
Telephone 2778--38th Street.
BEST MARKET PRICES GUARANTEED.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

The Government Seed Order.

The following figures indicate approximately the proposals submitted to the United States Department of Agriculture October 15, and covering the list asked for by the department. The decision was reached October 21 in the presence of representatives of many of the bidders. The Henry Phillips Seed and Implement Co., of Toledo, O., was awarded the contract.

Henry Phillips Seed & Imp. Co., Toledo, O.	$69427.00
J. M. Thorburn & Co., New York	75243.00
Vaughan's Seed Store, Chicago and N. Y.	79641.00
Jerome B. Rice & Co., Cambridge, N. Y.	80280.00
T. W. Wood & Son, Richmond, Va.	81837.00
Brown Bag Fil'g Mach. Co., Fitchb'g, Mass.	81841.00
Sioux City Seed Co., Sioux City, Ia.	82451.00
Joseph Breck & Sons, Boston and Chicago	84500.00
New York Market Garden Seed Co., N. Y.	85452.00
H. W. Buckbee, Rockford, Ill.	86210.00
Northrup-King & Co., Minneapolis, Minn.	87269.00
Peter Henderson & Co., New York	87473.00
L. L. May & Co., St. Paul, Minn.	89190.00
Ullathorne Seed Co., Memphis, Tenn.	92355.00
Huntington & Page, Indianapolis, Ind.	92849.00
A. J. Brown Seed Co., Grand Rapids, Mich.	95893.00
D. Landreth & Sons, Philadelphia	96072.00
West'n Seed & Irrigat'n Co., Waterloo, Neb.	96412.00
Madsen Seed Co., Manitowoc, Wis.	99312.00
C. W. Eichling, New Orleans, La.	102014 00
Harnden Seed Co., Kansas City, Mo.	110865.00
Robt. Buist, Jr., Philadelphia	118695.00
Cameron Seed Co., ——, Neb.	143083.00

Total, 24 bids accepted for consideration.
Total, 42 bids received, 18 of which being for fractional parts of the entirety were not considered. There remains an unexpended balance of about $30,000 yet to be used.

MR. LESTER MORSE, of the firm of C. C. Morse & Co., Santa Clara, Cal., is now on his eastern trip.

VISITED CHICAGO: California seed growers—Mr. J. M. Kimberlin, Chas. Parker and Lester Morse of C. C. Morse & Co.

CARDS are out announcing the coming marriage of Mr. Jno. T. Buckbee and Miss Florence Williams Day, at Lansing, Mich., November 2.

VISITED CHICAGO: Mr. J. M. Kimberlin, of Santa Clara, Cal. Mr. Kimberlin reports the crop of onion bulbs for present season's planting to be considerably less than last year.

NEW YORK.—Messrs. Eicke, Stumpp & Walter, all late employes of the defunct F. E. McAllister Company, have opened a seed and general supply store at 50 Barclay street under the firm name of Stumpp & Walter Co.

IN A PRIVATE LETTER J. Bugnot, the famous French pansy grower, writes Vaughan's Seed Store that the rainy season this year in France has injured the germination of these seeds. He adds, "I must remark that my pansies furnished few seeds and as a rule the germinating quality is not so strong as is the case with ordinary varieties."

MR. T. W. WOOD, chairman of the American Seed Trade Association, has mailed under date of October 20, 1897, to each senator and representative of the national congress a very vigorous two-page letter explaining with numerous reasons why the government free seed distribution is unjust in many ways, and adds that it is "destructive to the business of seedsmen, who have a right to look to the government for the protection of their interests."

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

A CAR-LOAD
OF
AZALEAS
FANCY STOCK.
OF CHOICEST VARIETIES.

	Doz.	100
1st size, 14 to 16 inch heads	$9.50	$75.00
2nd size, 12 to 14 "	7.75	60.00
3rd size, 10 to 12 "	6.50	50.00

Order early before Assortment is broken

14 BARCLAY STREET, NEW YORK. VAUGHAN'S SEED STORE, 84 & 86 RANDOLPH STREET, CHICAGO.

BULBS.
TO CLOSE OUT WE MAKE THE FOLLOWING LOW OFFERS:

	100	1000
ROMAN HYACINTHS, White, 12-14 ctms.		$20 00
Dark Rosy		10.00
LILIUM LONGIFLORUM, Japan, 6-8 inch		25.00
7-9 inch		30.00
8-10 inch		45.00
CALLAS, 1¼ to 1¾ inch	$4.00	
1⅝ to 1¾ inch	6.00	
2 to 2½ inch	9.00	
FREESIA REFRACTA ALBA, Select		5.00

250 at 1000 rate.

We also have a moderate stock of all other FALL BULBS.

Cincinnati.

The market continues about the same as at last report; all kinds of flowers are plentiful. The market is simply overcrowded, not so much because of any excess of supply, but purely from lack of demand. Chrysanthemums are coming in much better, also in more variety. Violets are rather scarce yet, but enough to go around.

I am glad to report that Mr. C. C. Murphy is able to be up and around again.

Mr. M. Rice, of Philadelphia, was with us the past week, looking up business. Mr. J. Austin Shaw, representing H. Siebrecht & Son, of New York, was also a caller. H. SCHWARZ.

READING, PA.—It has been decided not to hold a chrysanthemum show here this year.

MONTPELIER, VT.—The Montpelier greenhouses, leased by E. Jacobsen, have been sold to be removed.

GROVELAND, MASS.—T. H. Benton has leased the "Pine" greenhouse and will devote it to cucumber raising in future.

NEWBURGH, N. Y.—George Crawshaw has started in the florist business here with two 100-foot houses of carnations and another of violets. His stock is in excellent condition, and George's prospects for the first season are bright.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—Experienced fireman. Best of recommendations from florists. Address T S, 179 Lewis St., Chicago.

SITUATION WANTED—By a practical florist in all branches of the business. Extensively acquainted with the trade. J E B, care American Florist.

SITUATION WANTED—By young man, good grower of roses, carnations, chrysanthemums, etc. GEO. SPENCER, 2 N. First St., West Knoxville, Tenn.

SITUATION WANTED—By a good all round man in greenhouse work; 10 years' experience; single, age 28, sober and reliable. The very best references. Address F A P, care American Florist.

SITUATION WANTED—Practical florist, 17 years' experience as grower and designer, would like a working interest or salary with some reliable party. Address FLORAL, care American Florist.

SITUATION WANTED—By young man, age 25, as assistant in a commercial place; several years experience in general greenhouse stock. Address W B, care Bridgeman's Seed Store, 37 East 19th St., New York City.

SITUATION WANTED—By an experienced single florist, as working foreman; is at present managing a business of over 6000 feet of glass (over 4 years in present place). Best of references. Address F L, care American Florist, Chicago.

SITUATION WANTED—By young man understanding watering, spraying and growing of general greenhouse plants. Roses and carnations a specialty. Sober; not afraid of work. References exchanged. BEN HENSLEY, Dandridge Pike, Knoxville, Tenn.

SITUATION WANTED—A young lady wishes to obtain a position in a flower store or to assist in greenhouses; is fully competent to fill either position. A No. 1 saleslady for store. Willing to go to any part of the states. Address O G, care American Florist, Chicago.

SITUATION WANTED—At once. Commercial or private, by German florist, married, no family; 17 years' experience in all branches. First-class designer, decorator and landscape gardener. Wife being up-to-date in designing could make herself useful in store. Strictly sober and honest. Good references. West preferred. State wages. M P, care Am. Florist.

WANTED—An experienced fireman, sober and thoroughly reliable. Address PROBST BROS. FLORAL CO., Kansas City, Mo.

WANTED—A good gardener, unmarried, to care for everything about my premises, including choice plants, lawn, fires, cow. H C W, care Am. Florist

WANTED—Working manager; must be a strictly first-class and up-to-date cut flower grower, with the energy, ability and inclination to make her go. Must take entire charge of a place of 40,000 square ft. Interest if desired; can make terms right to the right man. Don't answer unless you're he. Address X, care American Florist, Chicago.

FOR SALE—In Warren, R. I., 5 greenhouses, nice 6-room cottage, barn, sheds, shops, etc.; about 10 acres of good land; young orchard, shade trees and grapevines. Greenhouses and cottage heated with hot water. Windmill supplies water over the premises. Can be bought on easy terms. Apply to O. H. NYE, Warren, R. I.

FOR SALE.
Greenhouses in one of the best cities in Wisconsin. A good investment and a money maker for a hustler. Owner must retire on account of poor health.
For particulars write ELLIS & POLLWORTH, Milwaukee, Wis.

Wanted.
Resident traveler in western territory familiar with the Plant, Bulb and Seed trade. State particulars, experience and references.
HENRY A. DREER,
Lock Box 1418, PHILADELPHIA.

For MILDEW on ROSES
CARNATION RUST, FRUITS AND VEGETABLES.
USE FOSTITE; 5 lbs. 50 cts.; 25 lbs. $2.00.
C. H. JOOSTEN, Importer of Bulbs, Plants, Seeds.
193 Greenwich St., NEW YORK.

FAXON'S "WHITE HOUSE" PANSIES.
The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.
In Trade Packets at $1.00 each.
M. B. FAXON,
Lock Box 1528. BOSTON, MASS.
Correspondence solicited.

BARGAINS IN BULBS

	Per 1000
Roman Hyacinths, 11-12 ctm.	$12.00
" " 12-15 ctm.	17.50
Single Dutch Bedding Hyacinths, in sept. colors	20.00
" " Forcing " "	23.00
" " Named " In sorts, 2nd size	30.00
" " " " " 1st size,	45.00
" Tulip Jacht van Delft	4.50
" " La Reine	4.00
" " Cardinal's Hat	4.00
" " Duchess de Parma	4.00
Lilium Longiflorum, Japan, 6-8 inch.	18.00
" " " 7-9 inch	35.00
Narcissus Trumpet Von Sion	9.00
" " Princeps	7.00
" Double Von Sion 2nd size	10.00
Single Tulips, finest mixed.	3.50
Double Tulips, finest mixed	4.50
A1 Lily of the Valley, out of cold storage	10.00

CASH WITH ORDER.

HULSEBOSCH BROS.
ENGLEWOOD, N. J.

PALM *Seed.*

FRESH ON HAND

ALL SEASONABLE VARIETIES.
Prices for select seeds quoted on application.
J. L. SCHILLER,
404 E. 34th St., NEW YORK CITY.
Mention American Florist.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

W. and D's. CELEBRATED "Sure Crop" Mushroom Spawn. SPECIAL quotations to LARGE buyers.

ALL KINDS OF BULBS—
Lilium Harrisii, Freesias, Roman Hyacinths, Narcissus, etc., etc. Special prices on application.

WEEBER & DON, Seed Merchants and Growers.
114 Chambers St., NEW YORK CITY.
Mention American Florist.

CLUCAS & BODDINGTON CO.
Importers and Exporters of
Seeds, Bulbs & Plants,
501 TO 503 W. 13TH ST.,
NEW YORK CITY.
Send for quotations on all Florists' Bulb Stock.

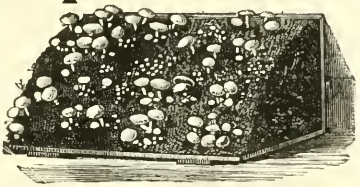
ESTABLISHED 1838 — DREER'S SEEDS — FRESH — RELIABLE

TRY DREER'S GARDEN SEEDS,
Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.
HENRY A. DREER,
Philadelphia, Pa.

GLORY OF THE PACIFIC.

The best early pink CHRYSANTHEMUM, color a beautiful "Daybreak" pink. The first blooms cut October 11th brought $2.00 a dozen wholesale in the Philadelphia market.
Strong plants from bench $1.50 per doz ; $10 per 100.
JOHN WELSH YOUNG,
For two weeks only. **CERMANTOWN, PA.**

Special Offer!



MICHELL'S MUSHROOMS.

JUST RECEIVED
Per "S. S. Missouri,"
Michell's Superior Brand
English Mushroom Spawn

P. S.—We are HEADQUARTERS on MUSHROOM SPAWN, supplying a large number of the most extensive growers, and customers can rely on our Spawn.

HARRISBURG, PA., May 13th, 1897.
DEAR SIR: There seems to be no end to the Mushroom crop which spawn I purchased of you. I have cut now over the 400 pound mark.
Gardener to Jas. Boyd, Esq. C. H. RONEY.

SCHOOL LANE, GERMANTOWN, PA., March 9th 1897.
DEAR SIR:—Your Mushroom Spawn has proved to my satisfaction that it is really A1. Our beds have done and are doing exceptionally well. We have never had such a splendid showing of mushrooms. Yours very truly,
Gardener to Wm. Weightman, Esq. JOHN MCCLEARY.

$1.50 per dozen Bricks; 25 lbs. for $2.00; $7.50 per 100 lbs.; $68.00 per 1000 lbs. 250 lbs. or over at 1000-lb. rate.

FLOWER SEEDS.

CYCLAMEN PERSICUM GIGANTEUM SEED.

The very finest strain from England. New crop. **White, Pink,** Red, White, with red eye. $1.00 per 100 seeds, $9.00 per 1000 seeds. The above, choicest mixed, 90c. per 100 seeds; $8.00 per 1000 seeds.

SMILAX SEED.

New crop, 40c. per oz.; $1.10 per ¼ lb.; $4.00 per lb.; 3 lbs. for $10.00.

VERBENA SEED.

Now is the time to sow seed to produce fine, strong plants. **"Our Mammoth Strain"** is considered by all who have grown it to be the best in the market. Choicest mixed, all bright colors only, 50c. per ¼ oz; $2.00 per oz.

VINCA SEED.

Pure White, White with red eye; **Rosea** (Pink) and choicest mixed. 25c. per ¼ oz.; 75c. per oz.

SWEET PEAS.

(FOR FORCING.)

EXTRA EARLY BLANCHE FERRY.

The best pink and white. 10c. per oz.; 20c. per ¼ lb.; 60c. per lb.

KATHERINE TRACY.

The best clear pink variety. 10c. per oz.; 20c. per ¼ lb.; 60c. per lb.

EMILY HENDERSON.

The best pure white. 10c. per oz.; 20c. per ¼ lb.; 50c. per lb.

SEND FOR OUR WHOLESALE PRICE LIST.

P. S.—We Guarantee Satisfaction to our Customers.

HENRY F. MICHELL,

SEEDS AND BULBS OF HIGHEST QUALITY ONLY,

HENRY F. MICHELL.
FRED J. MICHELL.
1018 MARKET ST., PHILA.

August Rölker & Sons
WHOLESALE DEALERS IN
SUNDRIES
For Florists and Horticulturists.
New Fall List mailed free to all applicants in the trade
52 Dey Street, NEW YORK.

THE ANNUAL
Chrysanthemum Number
OF THE
American Florist
WILL BE ISSUED
NOVEMBER 13.
Send Advs. Early.

SPECIALTIES

IN BEST VARIETIES.
ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.

Fern Pteris Tremula

NOW READY.

In excellent condition, from 2¼-inch pots, 10 to 12 inches high, ready to shift to 4s, $3.50 per 100; $30.00 per 1000.

R. WITTERSTAETTER, Sedamsville, O.

Always mention the American Florist when writing to advertisers.

Toronto.

ASSOCIATION MEETING.—THE COMING SHOW.—BULB PLANTING.—FINE 'MUMS.—A SEEDLING CARNATION.

The regular meeting of the Gardeners' and Florists' Association on Tuesday last was well attended and a lot of business was done, principally connected with the coming show. Oak leaves will be a great deal used in the decorations this year, but the arrangement of the hall will probably be about the same as last year. It is difficult to make much change without going to a good deal of expense and this the association is not prepared to do just now. The tariff question was up again for discussion; the special committee has more work to do yet in the matter and will see that the wishes of the association are carried out if it is possible. Mr. Alonzo Watkins junior, lately at H. A. Dreer's Riverton place, was present at the meeting and told us something about how they do things there; he had not been home for six years and his own father hardly knew him.

A good deal of bulb planting has been done in the parks the last week or so in spite of the dry weather. Mr. Chambers has filled some of the beds in front of the Parliament buildings with conifers which takes off "that bare look" considerably.

Mr. Geo. Mills, of Ossington avenue, in partnership with Mr. Thompson of Dovercourt Road have grown at the latter's place two houses of 'mums which the other day were looking very fine, especially Pink Ivory. Since then they have been cutting and getting top prices. Mr. Mills is growing largely at his own place one of his seedling carnations, a creamy (turning white) lancy, edged and splashed with bright rose which he has named "Abundance." It is very prolific, good sized flower, stiff stem, strong calyx and sells well. It will probably come into competition with others at the show.

Weather still fine and warm; a good stiff spell of cold weather would help trade now. E.

Worcester, Mass.

TRADE CONTINUES SATISFACTORY.—NO OVERSTOCK.—BEST 'MUMS NOW READY.—NEW CARNATIONS.

Trade continues to be very satisfactory, considering all things, with prices about the regular thing and good flowers plentiful, but not too much so. 'Mums, of course, are coming in in quantity now and are first-class in every respect. The growers have about sized up the trade and nothing larger than what retails for $3 to $4 per dozen are grown. Yellow Queen, Wm. Simpson, Mrs. E. G. Hill, Gold Lode, Ivory and Lenawee are the best varieties ready at this writing, and the earlier varieties are nearly cleaned up.

Roses are coming in about as fast as we can use them and improving fast. C. A. Dana, Victor and Nivea are some of the new varieties of carnations that are showing up well so far and we are getting plenty of good flowers of the standard varieties, and the advent of the 'mums has not shortened the sales noticeably as yet.

The weather continues warm, and violets as a rule are running pretty small. Princess of Wales is not showing up as it should as yet, but the weather is against anything in the violet line, so we will have to wait awhile before bringing out a verdict. A. H. L.

Always mention the American Florist when writing to advertisers.

4 Acres Field-Grown Carnation Plants, 94,000.

Our carnations are grown with the greatest care, and are first-class plants. Free from disease. We pack light by our improved system of packing, by which we can send them to all parts of the United States and Canada in perfect condition.

CRIMSON SPORT, DELLA FOX, BUTTERCUP — $1.50 per dozen. $8.00 per hundred.

ALBERTINI, BRIDE OF EARLESCOURT, CHESTER PRIDE, NICKELSON — $1.25 per dozen. $6.00 per hundred.

SWEETBRIER, MRS. CARNEGIE, L. L. LAMBORN, SILVER SPRAY, PORTIA, GRACE WILDER, CHESTER PRIDE, WM. SCOTT, ROSALIND — $1.00 per dozen. $5.00 per hundred. $45.00 per thousand.

J. L. DILLON, BLOOMSBURG, PA.

HERR'S PANSIES ARE THE BEST.

Fine plants, 75c per 100; $5.00 per 1000.

CARNATIONS.

My experiences with the old and the new will be ready Nov. 15, and mailed for the asking.

ALBERT M. HERR, Lancaster, Pa.

FIELD-GROWN
CARNATIONS

	PER 100
STANDARD VARIETIES,	$5.00
MRS. C. H. DUHME,	10.00
MRS. GEO. M. BRADT,	12.50

F. DORNER & SONS CO.,
LA FAYETTE, IND.

H. WEBER & SONS,
CARNATIONS,

OAKLAND, MD.
Always mention American Florist.

CARNATIONS.

ROSE QUEEN, PORTIA. Fine, stocky, field-grown plants. $3.00 per 100.

SMILAX.

Three thousand Smilax, good, strong plants, in 2½-inch pots. $2.00 per 100.

GEO. SOUSTER, ELGIN, ILL.

MORELLO

Field-grown, at $1.50 per dozen; $10.00 per hundred.

HOPP & LEMKE, Paul P. O., Mich.

The Cottage Gardens,

QUEENS, L. I.

SPECIALTIES IN
CARNATIONS, CHRYSANTHEMUMS, CANNAS, GERANIUMS, DAHLIAS.
Send for our Price List.....

FOR SALE.

Palms, all kinds and sizes. Ficus, Araucarias, Cyclamen, Primroses and Azalea indica in any quantity; prices very low; quality A No. 1.
Eucharis amazonica, $2.00 per 100.
JOHN BADER, Troy Hill, Allegheny City, Pa.

PRIMULAS,

mixed, from 4-inch pots, in bud and bloom, $3.00 to $5.00 per 100.
YOUNG PANSY PLANTS, $2.00 per 1000.
W. B. WOODRUFF, Florist, Westfield, N. J.

40,000 FIELD-GROWN CARNATIONS.

CLEAN HEALTHY STOCK.

		100.	1000.
Daybreak	2d size..	$3.00	$25.00
Scott	1st " ..	5.00	40.00
"	2d " ..	3.00	25.00
McCowan	2d " ..	3.00	25.00
Mrs. Fisher	..	5.00	40.00
Portia	1st " ..	5.00	40.00
Tidal Wave	1st " ..	5.00	40.00

PORTIA.

We have about 5,000 extra fine large PORTIA.

100 California Violets

$1.00 per hundred.

EDW. J. TAYLOR,
SOUTHPORT, - - CONN.
Mention American Florist.

CARNATIONS.

FIELD GROWN PLANTS.
SILVER SPRAY,
PORTIA,
NANCY HANKS,
$3.00 per 100; $25.00 per 1000.

REINBERG BROS.,

51 Wabash Avenue, CHICAGO.

CARNATIONS

Free from Disease. Field-grown.
ROSE QUEEN, SCOTT, IVORY, PIERSON.
Write for prices.

VIOLETS.

1,000 LADY CAMPBELL, field-grown, at a bargain.
CRABB & HUNTER, Grand Rapids, Mich.

PRIMROSES.

Per 100
CHINESE PRIMROSES, 3-inch pots..... $2.50
CINERARIAS, ready Nov. 1st..... 2.50
CHRYSANTHEMUMS, 20 vars., 5-inch pots.. 8.00
PANSY PLANTS, ready Oct. 15th, 1000 $3.50, .60
CASH WITH ORDER.
JOS. H. CUNNINGHAM, Delaware, O.

STOCKY, FIELD-GROWN CARNATIONS.

New and standard vars., $5.00 per 100 and upward.
GEO. HANCOCK & SON, Grand Haven, Mich.

NEW PRICE LIST OF

Neponset Flower Pots

in force from July 1st, 1897.

Terms—Not cash with order. If ordered shipped by FREIGHT, ADD 50 CENTS CARTAGE.

Size	Packed in Crates of	Gross Weight per 1000 pots	Per 100	Per 1000
2½-inch	1000	about 20 lbs.	$0.25	$2 20
2⅝ "	1000	" 23 "	.30	2.50
3 "	1000	" 34 "	.45	3.90
3½ "	1000	" 45 "	.60	5.15
4 "	500	" 76 "	.80	6.90
5 "	500	" 100 "	1.20	10.35
6 "	500	" 150 "	1.65	14.55

Standard Pot Measure.

Less quantities than full crates at 100 rates.

F. W. BIRD & SON, Manufacturers.

Address orders to our Agents,

August Rölker & Sons

52 DEY STREET, NEW YORK.

R. & J. FARQUHAR & CO., Boston, Mass.



Palms —AND— Ferns

The LARGEST STOCK west of New York.

GEO. WITTBOLD, 1708 N. Halsted Street, CHICAGO.

Mention American Florist.

PALMS.

Send for Price List.

JOSEPH HEACOCK,

WYNCOTE, PA.

Mention American Florist.

E. G. HILL & CO.

Wholesale Florists,

...RICHMOND, IND...

Down They Go To Close Out.

MARIE LOUISE VIOLETS.

Field grown, entirely free from disease; not very large plants, but in bud and bloom, $2 50 per 100; $20.00 per 1000

SMILAX—2½-inch, fine, once cut back, $1.25 per 100; $10 00 per 1000

Cash or good references please. Samples 10c. Write for special price on large lots.

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Above collection of fine plants for $5.00. Cash with order.		$6.20

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3-inch pots ..... $ .75 per doz.; $ 6.00 per 100
3½ inch pots ..... 1 25 per doz.; 10.00 per 10
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Cash with the order please.

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THE CHRYSANTHEMUM SHOW.—EXTREMELY HOT WEATHER.—POT CHRYSANTHEMUMS DON'T MEET WITH MUCH FAVOR.—A QUICK SELLING FERN.

Work in connection with the coming chrysanthemum show is being rapidly pushed along. The large Alhambra rink has been engaged for the occasion and the various committees on decorating, advertising, etc., have been appointed. Numerous special prizes were added to the premium list at the last society's meeting. Intending out of town exhibitors are reminded that the E. C. Stearns Co., manufacturers of the Yellow Fellow wheel, have given one of their high grade wheels, valued at $100, as a special prize for a new and distinctive yellow seedling chrysanthemum not yet disseminated, the winning variety to be named the Yellow Fellow. Only plants in pots can compete. Entries for the flower show must be made not later than November 5.

We have been experiencing extremely hot weather for the time of year, which has made flowers much more plentiful, still but very little has been consigned to the waste barrel, as trade has been very brisk indeed. Carnations and violets are yet a little scarce, but roses and chrysanthemums are abundant, the former especially, of which American Beauty has had an unprecedented sale the past week. In chrysanthemums Merry Monarch is the favorite, fetching much higher prices than Bergmann. Marquis de Montmort is an early pink, but that is about all that can be said about it in our section at least. In yellows Whilldin is the best seller at present.

In the plant line some well grown plants of Bergmann and Whilldin 'mums are in, but they are not meeting with popular favor, the trade going more to palms and ferns. Of the latter Nephrolepis nana compacta cordata, when well done in 5 and 6-inch pots, sells very readily, fetching from 75 cents to $1 each. Some fine flowered cyclamens are also seen, but they don't command the price here they should.

ALPHA.

Westwood, O.

J. A. Peterson, though out of sight literally, being in a hollow, yet on a hillside, is not by any means out of mind, and judging by the splendid condition of his stock in general, this season should find his bank account considerably swelled. Looking through houses of Beauties, Meteors, Bride, Bridesmaids and Perles revealed a stock hard to beat. Chrysanthemums galore, Glory of the Pacific, Merry Monarch, H. L. Sunderbruch, Golden Wedding, foliage of the latter measuring 9¾ inches in length and like leather. Several seedlings are of promise and being well tested before taking or rather seeding out. In carnations under glass, Outcast is keeping up its reputation with Emma Wocher. Violets Luxonne on center with Marie Louise on side benches.

Two houses each 125x20 feet recently added, are models; inch iron purlins and uprights, benches three feet high formed of 2-inch piping running lengthwise, cross ties resting upon brick pillars, red cedar benches, cement walks; a three-quarter span 120x12 feet on same principle for propagating house is being completed. Hot water under pressure is to be the method of heating. Fancy varieties of dracænas, Adiantum Farleyense and similar stock will be given special attention. The retail trade demands this, also orchids extensively. V. M. C.

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The first half of the week cut flower trade was rather slow with an abundant supply on hand; there was not even the usual demand for funeral work, but the decline in business was only temporary, caused probably by the rainy days that came at last and broke the dry spell; since then the demand is as brisk as ever. Chrysanthemums are very plenty and sell at all prices in the market; really good flowers can be bought for $18 and $20 per 100, while smaller flowers may occasionally bring only $1 per 100. The retailers are still trying to keep up last week's prices and in most cases have succeeded so far. Violets are in good demand and the quality is again improved; the best I have seen came from Geo. Keller who for some years past has made a specialty of growing them for this market. Roses also are now better in size and color but prices are not any higher than last week, neither have carnations advanced any, though the market has not been overcrowded with them this fall.

The E. R. Fry Co. has purchased the greenhouses of Briggs Bros. & Co. The houses have to be removed from the premises by June 1, '98, unless Mr. Fry can make different arrangements with the owners of the land. At any rate they may remain there for the present, and as everything is in good working order, running them this winter will assist greatly toward paying for the outlay.

Al. Salter, of Salter Bros., and Chas. Vick, together with a few more gentlemen not in the craft, went on a hunting expedition to the Adirondacs. The party was well provided with bait of every description; probably they want to go fishing too; we don't care if they only fulfill their solemn promise to the Florist Club of that fine venison dinner when they return. K.

Poughkeepsie, N. Y.

At the last meeting of the Dutchess County Horticultural Society it was announced that the following gentlemen had accepted the invitation to officiate as judges at the chrysanthemum exhibition November 3, 4 and 5: Messrs. William Scott, Buffalo; Samuel Goldring, Albany; A. D. Rose, Jersey City; Henry Siebrecht, New York.

Mr. William Russell, of Millbrook, gave an interesting address on hothouse grapes grown outside. He had been successful in growing well finished bunches weighing from one to two pounds of Black Alicante, Black Hamburgh and Buckland Sweetwater. These were grown on a wall with southern exposure, protected with plant cloth in early spring and buried in winter.

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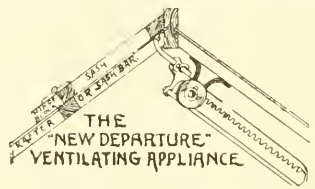
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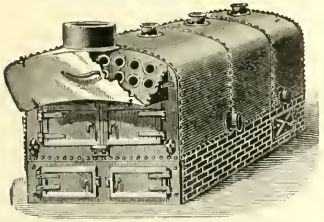
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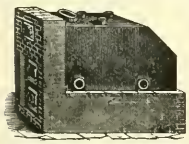
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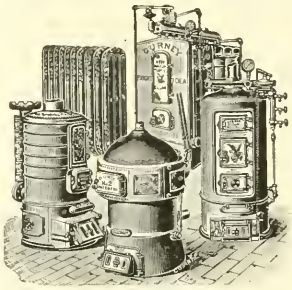
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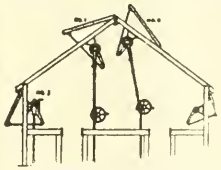
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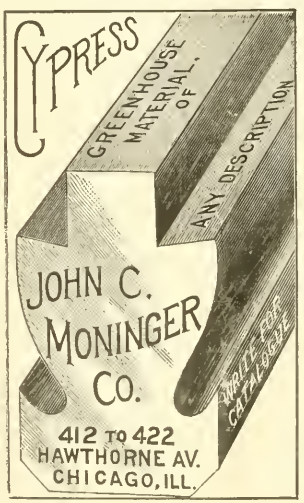
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ORANGE, N. J.—No flower show will be held here this fall, except that at the November meeting of the New Jersey Floricultural Society there will be a display of chrysanthemums and other flowers. Certificates will be awarded all worthy exhibits. Peter Duff, secretary, Orange, N. J.



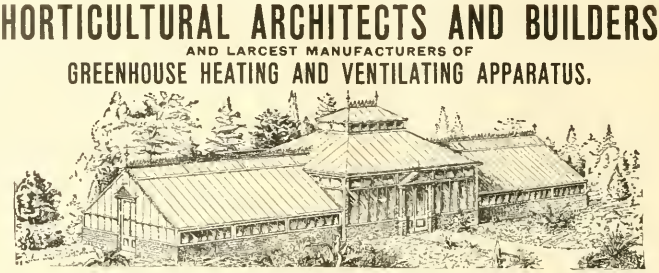
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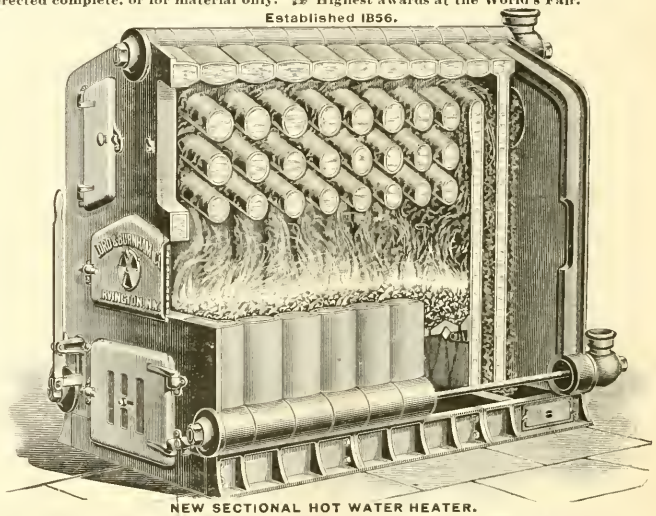
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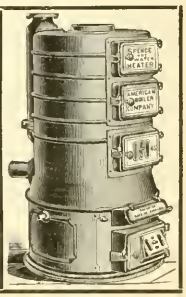
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Vol. XIII. **CHICAGO AND NEW YORK, NOVEMBER 6, 1897.** **No. 492**

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—ADAM GRAHAM, Cleveland, O., president; FARQUHAR MACRAE, Providence, R. I., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer.

OFFICERS-ELECT (To be installed Jan. 1, 1898)—Wm. F. Gude, Washington, D. C., president; A. Donaghue, Omaha, Neb., vice-president; secretary and treasurer as before.

The fourteenth annual meeting will be held at Omaha, Neb., August, 1898.

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SPRINGFIELD, MASS.—Wm. H. Copeland an enthusiastic amateur horticulturist died on October 31, aged 72 years.



Chrysanthemum Culture.

BY MR. O. STOLLERY.

[*Read before the Chicago Florists' Club, Oct 28.*]

I think the best place to start this subject of growing chrysanthemums is from the time the flowers have been cut the year previous. Our method is to select good stock plants of the varieties we intend to grow the coming season, place them in pots, and give them the lightest and best place in a temperature of 50° to 55°, keeping them on the dry side, our object being to keep them dormant as much as possible till we want to begin propagating. I may mention here that last year we put some out in frame and outside without any protection except some loose straw thrown on top of them till along in January and we were very well satisfied with the results. When brought in they were frozen solid but after thawing out they started finely, and we got some good strong cuttings from them. In this way we gave them a rest that would be impossible in a greenhouse of the temperature before mentioned.

Our time for propagation depends on what size we want our plants to be when planting time comes. Varieties that are slow growers we start about the end of January, good growers considerably later. We like all our stock to be nicely rooted in 3-inch pots for planting with the exception of a few varieties. Viviand-Morel we like to be in a hard condition in 3¼ or 4-inch pots, as it always produces buds in a young state and we find the best results are obtained from suckers, of which they will produce plenty when in a hard state. As soon as planted in the bench the suckers go right ahead, when we select two of the strongest, cutting out the original plant entirely.

I might go on for hours detailing these little peculiarities of different varieties but it is needless. Experience is the only teacher one can have, and anyone having a love for his work will soon find them out. About the first week in June we clear our houses ready for planting, hosing our benches over and giving a good coat of fresh slacked lime. On the bottom of the benches we put about one inch of well rotted cow manure, after which we put in enough soil to make 4½ inches deep. For soil we use that which comes from the river west of Bowmanville. The heavier the soil for 'mums the better we like it so long as it is top soil. We haul this soil in the fall for the next season's work, giving the frost a chance to pulverize it, using very little manure, about three loads of cow manure to twenty of soil. This manure we place in the center of the heap and when the pile is turned it gets mixed all through. It is possible that getting our soil from the banks of the Chicago river we do not need as much manure as we otherwise might as that river is famed for its extracts, some of which are undoubtedly left on its banks.

Having our benches filled we are ready for planting. As to the distance apart we are guided by the variety to plant. As we grow all our plants (with one or two exceptions) to two flowers to the plant, we plant farther apart than we would if grown to single stem. The average distance is about 8 inches in the rows and 9 inches between. As a good many growers believe it best to grow to single stem I will give our reasons for preferring the double method. In the first place we only need half as many plants, which means considerable in room and time in the spring; second, by planting farther apart and letting them break about 8 inches above the soil we have that much more room for air to pass between, and there is plenty of room for mulching or working the soil any way we may want. Mrs. A. J. Drexel and Major Bonnaffon grow best to single stem. These we plant two plants together as close as we can get them and leave the same distance between as for the double system.

Having our benches planted we are fairly started. We water sparingly so as not to sour our soil before the plants are ready to take up the moisture, and as soon as 6 inches high prepare for tying up. Like Mr. Wm. Scott we say there is only one way to tie up 'mums; that is by running wires lengthwise of the bench, as many wires as there are rows, one wire just above the soil, another about 4 feet above, according to the growth of the variety to be tied up, and then running strings between the wires, one string for each growth. Some may say too much trouble. It looks more trouble than it really is, and you save time in the end for when tying to the strings as the 'mums grow up all you have to do is just turn your stem around the string and it is done, and strings are a great deal better than stakes when cutting. After getting them tied up all the attention required is as to watering and keeping them supported by the strings and looking after a few of the 'mums' enemies: Cut worms, black and green aphis. The cut worms have been a good deal of trouble to us the past three seasons. Working in the night they are not noticed till the damage is done. The only remedy we know is hunting them by lamp light, when they are out for food. If this is done persistently they can be held in check, but if neglected they do a

lot of damage in a short time. The aphis is an easier matter. For these we use Rose Leaf extract of tobacco, both for syringing and vaporizing. It is sure death to them and leaves no bad results even when the plants are in full flower. For syringing we use one part extract to 60 of water, spraying on finely with a syringe. While 'mums will take a large amount of water we are careful during their growing period not to give too much or the plants will be soft, will run up to a great height, and produce inferior flowers in the end. We allow ours to dry out good at least once a week; this will keep them hard and prevent the hanging of their heads during the hot weather.

Taking the buds comes next. Some varieties will show a bud in July; it is no good so rub it out. It is very tempting to take first buds, especially when they look good, but our experience tells us that it is useless to take buds before August 15; between August 25 and September 1 is best for the early varieties. Buds taken August 30 are far superior and just as early as buds taken the 10th. This taking of buds is a very important item in the growing of high grade 'mums and should be attended to every other day at least. Some varieties are best on terminal and some on the crown. The bud that is best must be found out by experience. In trying novelties we allow some to come on crown and some on terminal of each variety; by this means we find out which bud is best.

As soon as the buds are taken we turn our attention to fertilizing the soil. For this we depend almost entirely on cow manure. The only artificial fertilizer we have used this season has been blood and bone and nitrate of soda. We have not been very much impressed with the former. Nitrate of soda we use on all our crops more or less, and find it of great value. Chemical fertilizers are undoubtedly of great value, but to apply intelligently one needs to know what his soil contains. To do that a man must be somewhat of a chemist. This would apply to cow manure to some extent, but the danger from overdoing it is less.

As soon as buds are set we give a mulch of one inch, consisting of two-thirds rotted cow manure to one of soil, sprinkling some soot and wood ashes through, and mixing all together. This mulch we give twice from the time the buds set till they begin to show color. In liquid form we also use the same except the soil, applying twice a week or oftener, according to our judgment. After the buds show color we stop all fertilizers.

We make a practice at this season of going all through twice a week, rubbing out all side shoots, keeping a sharp lookout for caterpillars, which begin at this time to get in their work. As these pests are left us by the white butterfly, also a little moth that can be seen at night; it is best to kill the caterpillars by catching the butterflies earlier in the season.

And now we come to the time that we have been looking forward to—the flowering period. According as we have been attentive to the wants of the plants will the results be. In closing let me add: Don't spoil a whole season's work by cutting before the flowers are finished. This is a common practice in Chicago, and the results can be seen any day in all the commission houses. Flowers that would come pretty near being first-grade stock if left to develop are completely spoiled by being cut before they are fully developed.

Coming Exhibitions.

[*Secretaries are requested to supply any deficiencies in this list.*]

SYRACUSE, N. Y., Nov. 9-11. Chrysanthemum show Central New York Hort. Society. D. Campbell, Sec'y, Thornden, Syracuse, N. Y.

WORCESTER, MASS., Nov. 9-11. Chrysanthemum show Worcester Hort. Society. A. A. Dixon, Sec'y, 18 Front St.

MONTREAL, Nov. 9-11. Chrysanthemum show Montreal Gardeners' and Florists' Club. Secretary, 12 Brandon avenue.

PHILADELPHIA, Nov. 9-13. Chrysanthemum show Pennsylvania Hort. Society. David Rust, Sec'y, Horticultural Hall, Sta. A.

CHICAGO, Nov. 9-13. Fall exhibition Horticultural Society of Chicago. W. N. Rudd, Ass't Sec'y, room 202, 185 Dearborn St.

ST. LOUIS, Nov. 9-13. Chrysanthemum show St. Louis Florists' Club. Emil Schray, Sec'y, 4101 Pennsylvania Ave.

GRAND RAPIDS, MICH., Nov. 10-12. Chrysanthemum show Grand Rapids Florists' Club. N. B. Stover, Sec'y, Grandville, Mich.

WACO, TEX., Nov. 10-12. Chrysanthemum show Waco Floral Society. Mrs. M. B. Davis, Sec'y.

SPRINGFIELD, MASS., Nov. 10-12. Chrysanthemum show Hampden County Hort. Society. W. F. Gale, Sec'y, 331 Main street.

TORONTO, Nov. 10-13. Chrysanthemum show Toronto Gardeners' and Florists' Association. E. H. Carter, Sec'y, Riverdale Park, Toronto.

LOUISVILLE, KY., Nov. 10-13. Chrysanthemum show Kentucky Society of Florists. F. C. Haupt, Sec'y, 241 W. Jefferson St.

PROVIDENCE, R. I., Nov. 11-13. Chrysanthemum show Rhode Island Hort. Society. C. W. Smith, Sec'y, 61 Westminster street.

NEW YORK, Nov. 12-13. Exhibition New York Gardeners' Society. J. H. Troy, manager, 365 Fifth avenue.

MADISON, N. J., Nov. 16-18. Flower show Rose City Rose Growers' Club. Jas. J. Ryan, Sec'y.

CLEVELAND, Nov. 16-19. Chrysanthemum show Cleveland Florists' Club. G. A. Tilton, Sec'y, 85 Woodland Ave.

Chrysanthemum Society of America.

The committees judging new seedlings will be in session November 6, 13, 20, 27. Exhibitors should make their entries (for which a fee of $2 is charged for each variety entered) to the secretary not later than Tuesday of the week the blooms are to be shown. Blooms forwarded to any of the following addresses, express prepaid, will receive careful consideration:

BOSTON—A. H. Fewkes, Horticultural Hall.

NEW YORK.—Eugene Dailledouze, care New York Cut Flower Co., 119 W. 23d street.

PHILADELPHIA.—Edwin Lonsdale, 1514 Chestnut street.

CINCINNATI.—R. Witterstaetter, corner 4th and Walnut streets.

CHICAGO—W. N. Rudd, room 202, 185 Dearborn street.

Those desiring further particulars address ELMER D. SMITH, Sec'y,
Adrian, Mich.

Work of the Committees.

At the meetings on October 30, seedlings were passed upon as follows:

NEW YORK.—Matterhorn, exhibited by Peter Henderson & Co., New York. Jap. Ref. white, scored 75 points by exhibition scale. Klondike, same exhibitor. Jap. Ref. rich yellow, scored 68 by exhibition scale. Mrs. C. F. Diehm, same exhibitor. Jap. Inc. white with lilac pink suffusions and markings, scored 56 by exhibition scale. Florence Turner, same exhibitor. Jap. Inc. amber, scored 55 by exhibition scale. Mrs. Wm. Massie, same exhibitor. Jap. Inc. rosy pink, scored 81 by commercial scale and 80 by exhibition scale. J. R. McDonald, exhibited by John Marshall, Purchase, N. Y. Inc., canary yellow, scored 81 by commercial scale. Sea-foam, exhibited by D. Wm. Brainard, Thompsonville, Conn. Jap. Ref. cream, scored 31 by exhibition scale. Col. D. Appleton, exhibited by J. R. McDonald, Riverdale, N. Y. Jap. Inc., yellow, scored 66 by commercial scale.

PHILADELPHIA.—No report.

CHICAGO.—No blooms submitted.

CINCINNATI.—No blooms submitted.

ELMER D. SMITH, Sec'y.

Chrysanthemums at Waban Conservatories, Natick, Mass.

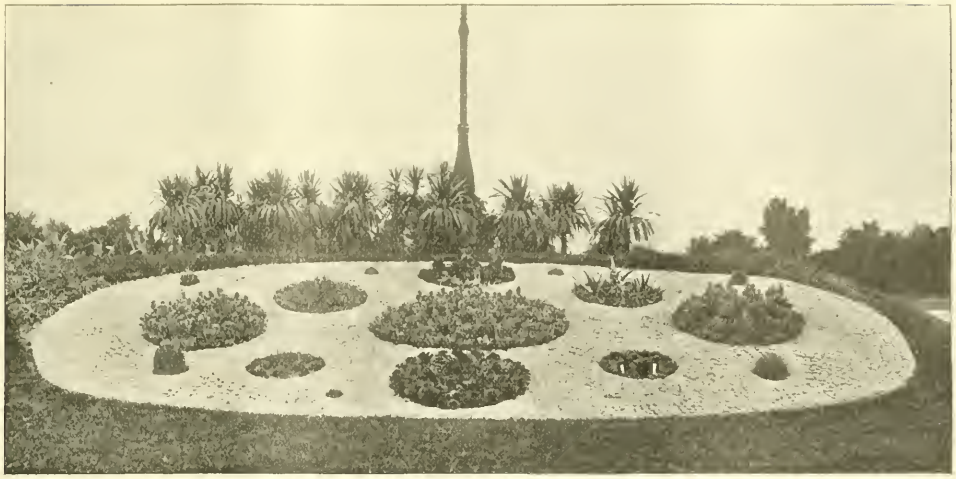
To the visitor of last year it seemed as though further improvment in the chrysanthemums as grown here was an impossibility. But if he is fortunate enough to return this year he will find his standard of last season unquestionably outclassed for the chrysanthemums are better than ever before. To the progressive grower the limit of excellence is never reached. It is possible each year to find some point which may yet be improved upon; in fact, the moment a man stops going ahead and is content to stand still the other fellow who has been at his heels all the time will quickly catch up and pass him. To the active, ambitious grower the chrysanthemum is a sort of safety valve. It breaks the monotony of the season and furnishes him an incentive at a time when roses are uninteresting and there is little else in the line of ordinary commercial crops to fire his enthusiasm or put his cultural abilities to the test.

In the big central house at Waban Conservatories where the finest exhibition blooms are to be seen there are about four thousand flowers. One flower to the plant is the rule and they stand from six to ten feet in height. In style and finish Mrs. Jerome Jones still heads the list and of the well known varieties such as Golden Wedding, Major Bonnaffon, Philadelphia, Eugene Dailledouze, Edw. Molyneux, Mutual Friend, etc., there are plenty, all in wonderful perfection. But the more recently introduced sorts are the ones to which Mr. Montgomery calls special attention as he escorts his visitor about the houses and his comments on the behavior of some of them will be found interesting and valuable.

A new chrysanthemum cannot possibly have a more favorable opportunity to show what there is in it than is given by Mr. Montgomery and if he fails to find enough good points to entitle it to a permanent commercial existence then its prospects are poor indeed. Here we see Evangeline, J. N. May's introduction, a variety which as grown by Mr. Montgomery is entitled to class in the first rank, yet the flowers sent last year for examination by the Boston committee so inadequately represented it that the committee hesitated about giving it a certificate. The bloom is large and well built, the stem is stiff and erect actually growing thicker as it ascends and the abundant foliage, being of medium size, allows of the plants being grown near together, a good quality in a commercial variety. The importance of securing good specimen blooms for exhibition before launching a variety is well illustrated in Evangeline.

It is interesting to see Domination grown once more in old time perfection. This variety seemed to become diseased two years ago and to all appearances, had outlived its usefulness. But after being planted out doors for two successive seasons, the plants just lifted and cuttings taken off for the following season, it has now apparently fully recovered and the blooms are really better than Infatuation, which is a well tested variety of similar type.

Mrs. Perrin shows a decided improvement here over last year. It is much more vigorous and is a better flower altogether. In reference to the prevailing impression that Mrs. Perrin is a



FANCY BEDDING AT WASHINGTON PARK, CHICAGO, 1897.

"poor keeper" Mr. Montgomery says that this variety should be given thirty-six hours in water after cutting. This process hardens the petals and fills them so that they hold on well. This treatment is also applicable to Minerva.

One of the favorites of the year here is Modesto. In it we have a yellow that is hard to beat. Equal in brightness to the sensational Golden Wedding and excelling that variety in many points, it is destined to make a sensation in the coming exhibition. Golden Wedding, by the way, has seemingly outgrown its old trouble and is now clean and healthy.

Mrs. Peabody is a new one that is likely to fall by the wayside. A superb flower but a bad neck and not enough stem to carry it. Gold Standard is in the same list with an immense bloom but stem and foliage are sadly deficient and it hangs its head most disconsolately. How it would loom up exhibited on the old flat board plan!

Mr. O. P. Bassett, a sport from Mrs. Robinson, is regarded by Mr. Montgomery as one of the best things sent out for some time. It is identical with the parent variety in every point excepting that of color which in the sport is a soft delicate primrose deepening toward the heart of the flower. This should not be cut too soon, but should be allowed to stay on the plant till the petals are well reflexed which shows the tints better.

In new crimsons Defender seems to promise well and when strengthened up by a year's good cultivation will doubtless take a place as a good commercial variety. It is apparently free from the tendency to "burn" so common in varieties of this color. John Shrimpton still stands as one of the best all round useful crimsons. It never burns.

Sunstone is in habit, growth and foliage much on the style of the Queen. Its color is yellow but not so distinct and pure a tone of yellow as some varieties possess. It was represented to have a bronze base to the flower but it does not show this feature yet. Chas. Molin is one of the best European introductions in its class, being a nice grower and of clean habit, but bronzes are doubtful colors commercially.

A promising English variety is Mrs. H. Weeks. It is a good grower, with excellent habit, the flower white, massive and quite hairy but the petals seem rather soft in texture. Another English introduction not yet on this market is Australian Gold. It is well thought of in England. It did well here until very hot August weather came when the young growths burnt off and it proved very difficult to get a lead. Some good buds are now set.

Mrs. Farrington resembles Viviand-Morel but holds its color better than that once popular variety. Golden Harvest is a beautiful primrose tint and makes a very favorable impression. Constellation gives a shade of pink seldom met with in chrysanthemums and makes a desirable flower if the very terminal bud is taken. Otherwise it comes with too many petals and the color is less pleasing in the crown bud. The foliage is exceedingly pretty. One of the most important points in testing new sorts is to find out just what bud to take and it requires a year's experience with a variety to get at it.

Mr. Montgomery had Sunderbruch this year in bloom very early. There were but three or four days difference between it and Marion Henderson but a vast difference in the price it brought. No yellow sells better in the Boston market than Sunderbruch, and it is only necessary to start if off a little ahead in the spring in order to get it in among the very early varieties.

Chrysanthemum Notes.

Mr. Wm. Paul Binder sent more of his first year seedlings to Philadelphia for the committee to look at, and for early varieties they were all good. One especially attracted attention. It resembled in size and form, and very nearly in color, the W. H. Lincoln; as seen on Saturday the yellow was not quite as bright as is the old and well known variety. Mr. Binder it seems has struck a sort of a Klondike in his early seedlings. It will require a trial of another year or two before they can be recommended with any degree of certainty.

The discrepancy between the reports of the New York and other committees respecting the Mrs. Arthur Caton was under discussion, when one person present declared that some seafaring men must have been pressed into the service as a committee. This can hardly be true. We hope not. It will hardly be believed that out of a possible twenty-five points only five were awarded. It would seem that the committee expected a blue when they only received a bronze. Yet bronzes have their place in the gamut of color or they would not occur. Thomas Cartledge states that in their retail trade some call is made for the bronze colored flowers, yet there is not a good bronze chrysanthemum on the market to-day, which was two weeks after Mrs. Caton was turned down so unmercifully by the New Yorkers. The New York committee's range on shades of colors appear from a Quaker City standpoint very limited.

PHIL. A. DELPHIA.

A Free Flowering Chrysanthemum.

The notice published under the above title in your issue of October 23, has evoked numerous inquiries for stock of the new plant, and for further information concerning it. To save further correspondence, I wish to say that we have but one plant, and have no stock for sale. The notice contains all the essential facts in its history, and was sent to you as an item of news for your readers, and not as a covert advertisement. As a supplement to that notice, I will add that to-day, October 28, the plant has 23 open flowers on it.

W. T. BELL.

Franklin, Pa.

BULLETIN No. 42 of the Florida Agricultural Experiment Station is an exhaustive illustrated treatise on strawberry insects and means of combatting them. It should be very useful to all growers of strawberries. Copies can probably be had free on application to the director of the station, Lake City, Fla.

RAVENNA, O.—The Portage County Hort. Society will hold a chrysanthemum show November 11 and 12.



Peculiar Disease, What is it?

A. V. K., who sent to me a Bride or Bridesmaid plant for examination will please notice that it arrived safe and fresh, thus giving me a good chance of seeing the trouble almost exactly as it appears in his greenhouse. A case very similar to this one was brought to my notice only a short time ago; Bridesmaid, Bride and Meteor that started up finely after planting out and gave promise of being exceptionally good were suddenly struck with something and the oldest foliage became disfigured as if burned, and much of it dropped off, the plants took on a hard and stunted appearance, and whatever growth they made later was soft and pale and weak, and the flowers small, single and worthless; here and there a plant died off entirely, and when others were set in to fill up the gaps they soon turned yellow and died. Careful examination of the roots showed that they were in a very poor state, having few active rootlets and the skin of the larger ones was soft and slipped off easily; the bark also on the stem below ground was soft and dark colored.

I had never seen roses similarly affected but concluded the sickness arose from a something in the soil inimical to the plants, perhaps the manure, bone, or the chemical composition of the soil, the case being aggravated perhaps by a fungous growth on the bark similar to the anthracnose. To ascertain if my conclusions were correct I sent soil and plants to a professor, an expert in chemistry and plant diseases, for microscopic examination; in his report to me I was very much surprised to learn that he had failed to discover any specific disease, and gave it as his opinion that the soil was the cause of the trouble.

I have given these details in full because I feel sure after seeing the plant sent by A. V. K. that the two cases are parallel, there are also points of resemblance between this and the case of Barton Bros,, treated of in this issue, but the two are not identical. I should be very much pleased if some of the readers of this paper who have had experience along this line, and are able to throw some light on the subject, would do so through the columns of the FLORIST for my own benefit and also for the benefit of the gentleman seeking light. As an experiment I would suggest running the benches a little on the dry side, feeding once a week with nitrate of soda in solution, a 3-inch pot to a barrel of water, keeping everything inside the houses as sweet and clean as possible, and a thorough spraying weekly with the ammonia solution of carbonate of copper.

ROB'T SIMPSON.

Consumptive Roses.

Have received from Barton Bros., Pennsylvania, a specimen rose plant, badly diseased, also a plain statement as to treatment, soil, etc., and have been asked to make a careful examination of the specimen and report through the FLORIST. On the roots I found a considerable number of galls indicating eel-worms, and on the stem some signs of anthracnose, but neither or both of these would in this case be sufficient to account for the complete collapse of the plant. What the actual cause of death is in this and similar instances I have been unable to find out, though the trouble is by no means rare. It may be a weakness or disease inherent in the stock, but not showing itself until a certain stage of growth or season is reached, or there may be something in the soil that has a baneful influence on certain varieties of roses, notably Meteor and all of the Mermet family; certain it is that a healthy plant set out in place of one that has died from this cause, if put in the same soil will generally turn sick and die also in a very short time.

The soil adhering to the roots would be considered a very good article by the average rose grower, and as far as I am able to judge the treatment in all respects has been just what the very best growers would have recommended, and yet the result is sickness and dying off instead of being rewarded with luxurious growth and high grade blooms. I think these disappointments and difficulties that at times confront each of us only serve to show how much there is that we do not know, and as yet cannot understand; the longer we live and the harder we work the more we find to do. The solving of one puzzle in plant life will only fit us for and open up to us an opportunity for deeper study.

If the space can be utilized for any other crop it would pay better to throw out the sick roses than to try and doctor them.

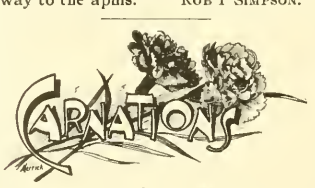
ROB'T SIMPSON.

Small Flies in Rose House.

H. G. Z., Winnipeg, reports having been troubled in his rose house with myriads of small house flies, and despite the use of hellebore, whale oil soap, and liquid tobacco they remain to the serious injury of the plants.

We had thought that we had in these United States about every kind of weed, rust, insect, and disease that exists, but I don't know of any house fly so hungry as to eat roses. There is a very small black fly that is often very abundant in the greenhouses soon after a mulch has been applied, but these so far as I know are quite harmless. I am not acquainted with any species of fly except the green and black aphis that is in the habit of feeding upon the rose. Since we fail to recognize the insect we can hardly make any suggestion as to its extermination. Fumigating with tobacco stems, however may destroy it if it is allied in any way to the aphis.

ROB'T SIMPSON.



Carnation Notes.

For two years I have given my experience in carnation culture through these columns, and it has been a pleasure to me to add my mite to the general knowledge, to be one cog in the wheel of progress in this important branch of floriculture. That my work has not been fruitless, that some have been benefitted by it, I have evidence in the many letters received congratulating me on my work, and the many questions I have been asked, and requested to answer privately. In these two years my store of knowledge to impart has been nearly exhausted, and although there are many things that would bear repetition it is unpleasant to me to repeat and place myself in the position of being persistent in my ideas, or to consider my methods of cultivation the best. What I have given is my experience, well knowing that the same shoe will not fit every foot, and I as thankfully receive knowledge as I am willing to impart. In this progressive age where one achievement so closely follows another, no one can say that he can not still learn. The humblest member of the craft may have ideas that the most learned and experienced might profit by.

The principles of carnation culture, based on the nature of the plant, are the same everywhere, but climatic differences, differences in soil and locality, may require difference in treatment, and it will be to the benefit of the reader to have these cultural notes come from other sections. My predecessors furnished these notes for the time of one year, I have probably overstayed my time and tired the reader.

Carnation culture is still advancing and no one can afford to stay behind. From whatever quarter recommendations may come we can always learn something. It may probably not suit every location nor circumstances, but may be the source of new ideas that will give the key to better one's own methods. I will read the notes of my successor with as much interest as I have read those of my predecessors, and am sure that I will profit by them. With best wishes to all I bid you goodby.

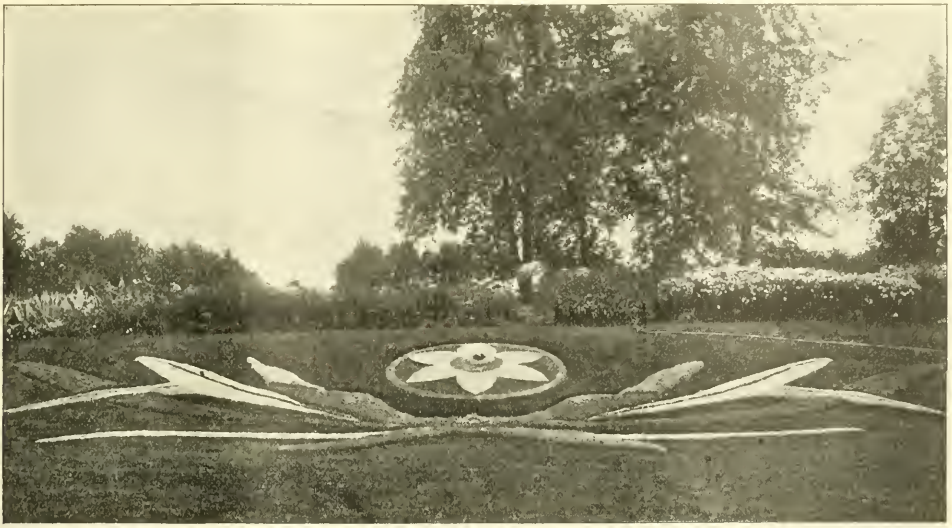
FRED DORNER.

[The carnation notes will be continued by a prominent eastern grower.]

Flower Show Advertising.

A great deal has been said by various authorities during the past few seasons on the proper way to advertise a chrysanthemum show in order to achieve the maximum of effect at the minimum of expense. I have but one fault to find with all of them, and that is that all this good advice has usually appeared after the season was ended instead of before it began. One would naturally expect that good advice of this sort would be given before the show season commenced, but the opposite has been the case. Few of us remember our reading of these things a whole year, and a large part of the good that the publication of these experiences ought to do is lost because published at the wrong time. This thought has prompted the writer to look over the files and cull some of the past experience for presentation at this time. The season of 1897 will be in full swing in a week or ten days, and a few hints will not come amiss to many an anxious committee. A little foresight is better than ever so much hindsight here as in other things.

In the first place I find that nearly all are agreed on the importance of the daily newspaper as an advertising medium and advocate spending anywhere from one-fifth to four-fifths of their appropriation in that channel. Next in importance is placed the poster, although there is more diversity of opinion about its efficacy and economy on account of the considerable cost of putting each copy on the boards. Window cards as a supplementary method are greatly in favor, as most of the shopkeepers will give such cards a prominent place in their windows. Signs and banners have also been used to a limited extent. Another scheme that is



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sometimes worked is to put the cups and medals in some prominent show window on the main thoroughfare with a card on each and a larger card behind announcing that these are the prizes to be awarded at the show. When one considers that it costs very little to make this effective advertisement the wonder is that it should ever be overlooked.

Mr. Tesson, of St. Louis, mentions an idea which seems a good one—that of giving a ticket of admission to the boy and girl in each public school who shows the highest average in his or her studies from the time of opening in September to a specified date. It is not so much the effect on that boy or girl that tells, but the amount of publicity that is given the offer when it is announced to all the pupils and by them carried to their homes. Mr. Tesson's able article in the AMERICAN FLORIST for June 28, 1893, should be read by all interested. It contains many valuable suggestions besides the one given above.

If the newspapers are given a fair share of the advertising appropriation they are almost sure to be willing to throw open their news columns to the committee and give glowing accounts free, and the good effect of this cannot be measured in money. A hustling committee will get the big growers to donate flowers, which will be used to arouse a friendly feeling in the editorial sanctum. Then they will haunt the secretary for news of entries a week or ten days in advance of the show and keep firing in paragraphs about this to the newspaper offices. If these are well written and newsy they will always be printed, more especially if some bunches of flowers have previously broken the ice. It would surprise many to find how much space can be thus got in the newspapers. One committee reports that their free space in advance was worth several thousands of dollars (if paid for at the average advertising rates). This same committee had an appropriation for newspaper advertising of *two hundred dollars*! What impression could they have made on the general public with that small sum if they had not hustled to get free advertising?

Then there is the matter of complimentary tickets. The advertising committee should be given a free foot with them. The newspaper editors appreciate a few, and at least all heads of departments should receive three or four each. When one, two or more window cards are left in a store a complimentary should be given if said card is allowed in window. These complimentaries cost only the paper they are printed on and it is a big mistake to be stingy with them the same as if the society paid 50 cents apiece for them. The advertising committee is the proper channel to place them through. It is only such as do favors for the show that ought to get complimentaries, and the advertising committee knows best who these are. Again, many who visit the show by a complimentary will no doubt go home and talk to their friends on the glories they saw, and the result will be a visit of perhaps three or four people who will pay their way. Complimentaries if judiciously given out are undoubtedly good *free advertising*.

The labors of the committee are by no means ended the day the show opens. Much will depend on the newspaper reports next morning. And if the reporters get no assistance from those in charge of the advertising they will do the best they can, and that will be not so good as it might be. Therefore it is necessary for the committee to be on deck every day when the reporters get around. See that they catch on to all the novelties. Make a point of urging the management to provide said novelties every day. Do all this and a score of other things, and keep hustling until the curtain is rung down on the last day. If it's a good show, with good weather and good music and a live advertising committee, a big attendance is almost certain.

Phila., Oct. 27, 1897. G. C. WATSON.

Lilium Harrisii Bulbs Again.

Noticing Mr. Richard Uttenweiler's comment on old lily bulbs, I can state that I have had a similar experience. Having had about 200 lilies come in too late for Easter, we cut and shipped the blooms and as soon as the weather permitted we planted them outside in the field because Mr. Wm. Scott told us in his seasonable hints that they would produce blooms again though smaller, during summer. They did not grow one inch after planting, but died down to nothing. Reading Mr. Uttenweiler's comments we went and looked at our lilies, and behold we unearthed the finest Harrisii bulbs we ever had and far superior to any 7-9 we bought this season. We potted them of course at once and though our new bulbs are started we will report if it is possible to bring our own into bloom by Easter.

Waynesboro, Pa. HENRY EICHHOLZ.

Damage by Sow Bugs.

In your current issue Mr. Daniel K. Herr expresses his doubts of wood lice (sow bugs) eating green plants of any kind. If Mr. Herr grows violets he can very soon set all his doubts at rest for ever, by introducing a few of his "ten thousand" among the plants which are just coming into flower, for they (the wood lice) will soon clear off all traces of blooms and buds.

Last autumn I was very much annoyed in this way and for some time could not find out what was eating my violets, although I went around night after night hoping to discover the robber. At last I decided that it must be something which took its departure on seeing the approaching light and so it turned out, for the next night instead of taking an ordinary lantern I used a bull's-eye, which I carried into the house closed, and by suddenly turning on the light discovered the "shy little rascals tumbling over each other in their eagerness to get away from the light.

I can give Mr. H. another instance of wood lice eating living tissue. About five years ago I was growing mushrooms and everything had gone well until the

mushrooms began to appear on the surfaces of the bed, and then came vexation and sore disappointment, for every mushroom, by the time it was an inch in diameter was destroyed by woodlice, and as the application of a remedy, without running the risk of rendering unwholesome the mushrooms, was impossible, I had to allow the wood lice to gather my crops for me which they did in a very clean manner. JESSE ROBBINS.

Herbaceous Plant Notes.

The general condition of the soil and the exposure to sun, etc. has an influence on the growth of plants, as in a shaded situation and in moist places they grow taller than they would in dry ground or fully exposed to the sun. For this reason the height of plants can never be given with exactness, in one locality they may attain a height a foot or more over the ordinary and in another spot their growth may be dwarfed so much that an observer, unacquainted with the conditions, would suppose he saw a distinct variety before him. The difference is not so remarkable in very low plants, but their growth in shady positions is often less compact and dense, while their height is increased but very little.

We are called upon quite often to furnish a selection of various herbaceous plants which cover the surface of the ground effectually and at the same time do not grow more than 3 to 5 inches high. They are wanted either for edging the front part of a border or for beds of small size; a list of such things may come handy and assist the novice in making the right selection in color, habit or time of flowering, so I will here suggest a few names of plants which will answer for the purposes mentioned.

Aubrietia deltoidea and its varieties are all of dense growth and flower freely in the early part of the season in various colors and shades, looking neat at all times. Silene acaulis forms mossy tufts of green and its pretty little pink flowers last from June until August. S. saxifraga is looser in habit and opens its curiously colored flowers at the same time as the first. S. alpestris, with white starry flowers, begins to bloom as early as May and lasts as long as the others. S. Schaftæ was in good shape the latter part of June and is today (October 17) in full bloom; it is one of the very best late flowering dwarf things we have.

Campanula isophylla grows decidedly compact and flowers for a long period. It is covered with its large erect bells at this date although we had no rains for more than two months and it never was watered during that time.

The subulata section of phloxes are excellent for the purpose. They are clean at all times and give us a profusion of color early in spring. Alyssum alpestre is a sheet of gold in midseason and its small roundish, glaucous foliage is an ornament at all times; it lays close to the surface of the ground. The drabas form little compact rosettes and bloom freely early in summer. Arenarias form a dark green mossy carpet over the ground and their little white blossoms show distinctly on the dark surface, even as late as this some of them are in full bloom. Ajuga reptans var. is an early blue flowering little plant and its variegated foliage is exceedingly ornamental early and late.

Æthionæma pulchellum and Æ. coridifolium are such neat compact little plants everybody should have them; the bright pink flower heads are produced in midseason on the points of every little branchlet. Erysimum achroleucum and E. pulchellum, both with yellow alyssum-like flower heads in spring form dense smooth masses of green in the driest situation and do equally well in moist ground. Erythrea diffusa is a little beauty in the spring months when the bright pink flowers cover the little tufty plants. It often blooms again toward fall and is now fully as good with us as it was last spring.

Lotus corniculatus, with yellow and red pea-shaped flowers, grows luxuriantly in most any place and lays flat on the ground; flowering time extends over two months in spring. Erinus alpinus is a very compact little thing, bearing bluish purple or sometimes white flowers in midseason. The plant forms a mass of small rosettes which remain green in winter. Saponaria ocymoides in its long flowering season during summer is extremely showy and bright. Spergula (Sagina) pilifera is a mossy little plant with bright pea-like white flowers the whole summer through.

Hepaticas, when once well established in a spot, should be left alone, dividing puts them back. They are among the earliest flowers in spring, blue, white or pink in various shades are represented. Aster alpinus spreads out very slowly and keeps the ground well hidden from view. With us it usually perfects a second crop of its light blue flowers in the fall. Astragalus hypoglottis albus bears its large pea-shaped flowers during the summer months, has very pretty foliage and succeeds well in either dry or moist situations. Myosotis alpestris will flower all summer, fully exposed to the sun if divided into very small pieces either in fall or spring; when left undisturbed for a year it stops flowering before midsummer. Linaria alpina is constantly in bloom, the little flowers are dark velvety purple with an orange-yellow spot in the palate; a very desirable plant. Carolina acaulis with small spiny, glossy foliage, looks like a miniature thistle when not in flower; the unique and curious inflorescens has a satiny, silvery appearance, which it retains when dried. It is very large for so small a plant and blooms at various times in the year but most profusely in spring and fall.

The list is by no means a complete one and I may from time to time in the future mention other desirable little plants of low growth suitable for and easily grown in the front of the border.

Rochester, N. Y. J. B. KELLER.

Sulphur and Lime Fungicide.

I am a reader of the FLORIST and am interested in the queries and answers treating on the different fungous diseases which the rose, carnation, violet, and chrysanthemum are subject to, and would like to ask through the FLORIST why the cheap fungicide, sulphur and lime liquid, is not used? If used we never see it mentioned.

I always have a barrel on hand and am satisfied with the results. I would like to see it tried by some of the readers of the FLORIST, on any plants that may call for a fungicide, and to hear of the results later on. For those who may not know the mixture I give my way of preparing and using it. To an ordinary barrel slake one peck of good lime, at the same time while the lime is boiling add five pounds of sulphur, keeping the two well stirred until entirely slaked. Fill the barrel with clear water, let it stand three or four days when the lime and sulphur will settle to the bottom leaving a clear golden liquid. The barrel will stand refilling several times but must be stirred each time.

It is not necessary to use it full strength, about one part liquid to two or three parts water is about right. To use it in the field I prefer using it late in the afternoon when the ground is warm after a good hot sun. The fumes may be distinguished a good distance away. Chrysanthemums so treated I find will dry up all spotted and yellow leaves after three applications.

In the house use it early, before fire heat is started. If a bad case syringe the foliage and if after drying it leaves any lime on the leaf use it on the benches under the plants, on the walks, or any place where the sun may strike and evaporate it. When fire heat is started wet the pipes.

Somerville, N. J. WALTER TRIGALET.

Chrysanthemum Exhibition of the Mass. Horticultural Society, Boston.

The opening day, Tuesday, was about as dreary a November day as is ever seen. Rain came down steadily all day. The attendance of the public was light in consequence, but it gave the visitors in the "profession" a better opportunity to inspect the flowers and the blooms kept all the better for the prevalent dampness. The following day came out bright, and the halls were crowded for the balance of the time.

As compared with previous shows here it might be said that the cut flowers were far ahead and that the plants seemed hardly as effective, taken as a whole. One or two who have been large exhibitors in the past were absent this year, and the number of groups of specimen trained plants was smaller, leaving more room to walk around the upper hall, where the plants were located. With the exception of those shown in single specimens, the plants in competition were limited to 10-inch pots instead of 12-inch, as in the past. Wm. J. Martin, gardener to N. T. Kidder, won first on the big plant group with twelve wonderful productions, which were greatly admired by the expert growers from other places, and some even preferred the smaller, compacter specimens shown by John Barr, gardener to Mrs. B. P. Cheney. Among the latter was a plant of The Bard, color a striking dark red. Wm. Donald, gardener to J. S. Bailey, was the winner of third in this class. On single specimens, reflexed, incurved, pompon, etc., the prizes were well distributed between Messrs. Barr and Martin.

The plants grown to single stem and bloom were much better than ever before, and there was more room in which to display them well. There were also many more entries in these classes than on any former occasion. Kenneth Finlayson, gardener to Dr. C. G. Weld, cut a wide swath in the prizes here. Two varieties, especially effective, that are not seen often were Milbrook and Mrs. Geo. West. Geo. B. Green, gardener to Jas. L. Little, and Mrs. A. W. Blake were large contributors in these classes, and D. F. Roy, gardener to E. S. Converse, C. H. Souther, and Jas. Nichol were also in it. The groups, covering 100 square feet, arranged for effect, were not as effective as they would have been if loosely grown stock had been used instead of staked plants to make up the groups. There were five of these groups, the prizes being awarded to Mrs. A. W. Blake, Dr. Weld, J. L. Gardner, J. W. Howard and E. S. Converse respectively. A group of elegantly flowered orchids from J. S. Bailey made an attractive corner in the upper hall.



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The lower hall was devoted exclusively to the cut blooms. In this department the exhibitors outdid themselves. Not only were the flowers shown remarkable for size, but they were uniformly good in every point. The list of varieties shown was very large, confined mainly, however, to the popular Japanese types. Only one little modest group of pompons was seen, and the incurved flowers were represented by but a few entries, looking smaller than ever before in contrast with the unprecedented size of the flowers in the other classes. There were no freaks or specially odd or novel things, but throughout the exhibition was one of solid worth and such as any society might well be proud of.

The prizes for long-stemmed blooms arranged for effect in large vases brought out seven competitors. These arrangements were superb in every case. Vase and flowers towered to a height of nine feet in the vase of Mrs. Jerome Jones exhibited by E. M. Wood & Co., which won first premium. The other vases were nearly as large and equally well displayed, a number of varieties being used in each case. The owners were John Jeffrey, gardener to Hon. John Simpkins; John Ash, gardener to Mrs. Clark; S. Sandiford, gardener to C. H. Souther; W. N. Craig and J. W. Howard, and the prizes were awarded in order named. Next to the large vases the most interesting competition was for the Bradlee Fund prizes for 25 blooms of 25 varieties, and 6 vases of 6 varieties, 10 blooms of each. On the 25 varieties E. M. Wood & Co. won first prize, Rob't Laurie, of Newport, second; and John Barr third. No finer displays of high-class blooms could be imagined than those above noted. They were beyond adequate description. On the vases E. M. Wood was again first, John Barr second and J. W. Howard third. Mr. Wood's varieties were Evangeline, Mutual Friend, Bonnaffon, Mayflower, Viviand-Morel and Philadelphia.

In the classes calling for 12 and 6 blooms of the different types there was an almost endless competition, and the poorest display would have swept everything before it a few years ago. E. M. Wood & Co., Jas. Wheeler, gardener to J. H. White; Alex. McKay, gardener to David Nevins; Geo. B. Green, C. H. Souther, D. F. Roy, C. Sandiford, John Barr and Kenneth Finlayson were all more or less successful. On 12 best blooms of 1897 introduction Mr. Finlayson took first with a set comprising Duchess of York, The World, Pres. McKinley, Gold Standard, Golden Trophy, Mrs. G. Sanders, Surprise, Marsia Jones, Mrs. R. D. Douglas, G. F. Atkinson, Lorna Doone and Oriental Glory. The vases of 10 blooms in special colors brought out a good showing also. On pink Rob't Laurie's Inter Ocean took first, Alex. McKay's Viviand-Morel second. On red McKay first with John Shrimpton; E. M. Wood & Co. second with Edwin Molyneux. On white A. Herrington, gardener to H. McK. Twombly, first with Frank Hardy, and E. M. Wood & Co. second with Mrs. Jerome Jones. The variety Frank Hardy created a genuine sensation. It is an English variety never seen here before, the petals incurving tightly in masses and swirls, the flower of great depth and finish. In yellow Alex. McKay was first with Maj. Bonnaffon, E. M. Wood second with Golden Wedding. On any other color Mr. Herrington took first with Silver Cloud and Alex. McKay second with Chas. Davis.

In the seedling classes there was little to interest outside of Robert Laurie's Peter Kay, which was best yellow, and Jas. Wheeler's Mrs. Gertrude Brydon, which was best incurved. A. Hunnewell showed a fine pink seedling, Maud Dean form, Inter Ocean color. Hugh Graham & Son got a certificate of merit for Pennsylvania, a noble yellow.

Special note should be made of a handsome collection of forty varieties staged by Rob't Patterson, gardener to Hon. Frank Jones, not for competition, and 12 blooms of J. H. White, shown by Rob't Laurie, which showed this variety in absolute perfection. Geo. B. Green's anemones were especially beautiful. A silver medal was given Arthur Griffin, gardener to J. J. Van Alen for blooms of hybrid Begonia semperflorens, and Jos. Hilburt received honorable mention for a lavender colored sport from the white swainsona.

There were some interesting collections of carnations from various exhibitors. Wm. Nicholson staged a fine lot of market varieties. Peter Fisher showed his famous 999 now under the name of Mrs. T. W. Lawson and got a certificate of merit for it. His Morning Star, a '94 seedling, was also fine. A. Roper showed some sensational seedlings, one of which, a flower of Scott style with Albertini color, deepening to the center, attracted much notice. J. Tailby's scarlet seedling Wellesley also showed up well.

A few of the visitors: A. Dimmock, Rob't Patterson, Rob't Laurie, A. Herrington, J. R. Fotheringham, Alex. McLeod, C. Warburton, E. O. Orpet, A. P. Meredith, P. J. Donohue, W. E. Chappell, Farquhar Macrae, W. B. Hazard, Ed. Johnson, Geo. McWilliam, A. J. Loveless.

Indianapolis.

THE CHRYSANTHEMUM SHOW.

The 11th regular chrysanthemum show and floral festival opened under very favorable auspices promptly Tuesday evening. The weather changed to beautiful sunshine and balmy breezes Tuesday afternoon and gladdened the heart of every member of the society and the exhibitors. The attendance for the first evening was the greatest of any show held. While the receipts were not so heavy as some years, the admission being reduced to 25 cents more patrons left the hall well pleased and will certainly help to bring a big attendance the balance of the week.

After an overture by the orchestra, Mr. E. G. Hill, of Richmond, introduced Gen. Benj. Harrison in a few well chosen sentences. Mr. Harrison was the picture of health and contentment, and made a very pleasing congratulatory address.

Mr. Harrison said: "I have no official title to surrender the city of Indianapolis, but I think I can say to these florists of Indiana as the mayor recently said to

another assembly, 'the city is yours.' (Laughter.) Certainly these florists never stimulate any disturbance of the peace. No man ever got inspiration to whip his wife at a chrysanthemum show, or at a flower exhibit of any kind.

"A great deal of pains has been taken by these florists in the production of these plants that are exhibited here tonight. They have given time to their artistic arrangement and invite, not for their profit, but for their art the patronage of the citizens of Indianapolis. The old idea about trees and plants was that like produced like. But nothing more unlike than these chrysanthemums are hardly to be found in the floral kingdom. Yet every one of these is a chrysanthemum. God does not use a stereotype plate in making flowers. After its kind—and yet nature admits the artist. Nature is willing to take suggestions. God himself will paint the lily, but He has so ordered nature that the plant will accept the pigment from the florist. As He combines the chemicals in the soil to produce those colors, nature itself will use the brush."

Mr. J. S. Stuart, of Anderson, president of our society, responded in his usual direct, but well chosen words. The audience filling the galleries and floor between the plants and everywhere applauded with a will, and if the general's wish is fulfilled we ought to be a rich society by Saturday.

Coming into the hall, the general appearance is very attractive. The decorations are generous, and while the colors are not just in harmony, the general effect is new and striking. The center-piece is a huge suspended canopy decorated with green and pampas and studded with colored incandescent lights; from this many strings of wreathing start in all directions. The balcony railing is draped with white and purple trimmed with galax leaves, asparagus and smilax. The main effect and the most beautiful is the two banks of decorative plants nearly covering the stage and reaching close to the ceiling. The groups were set up by Anthony Wiegand & Son and the Bertermann Floral Co. In points of excellence they are very close, and the judges will have a hard task in awarding the premiums. It is hard to imagine a more beautiful sight than these groups of greenery, shaded with much variegated foliage. Above the plants a canopy of laurel wreathing makes a fine effect, the back of the stage just looming up through the division of the two groups, an immense American flag finishing the decorations.

The beds from the galleries are very pleasing to the eye; a star of single stems forms the center; around this four beds are formed, and from these beds go in every direction. Two special beds of fancy decorative plants exhibited by Wiegand and Bertermann in between the chrysanthemum beds are splendid attractions with their wealth of fancy and variegated foliage in beautiful jardinieres and on pedestals. Two other large groups of decorative plants are shown by H. W. Rieman and Kelly and Cornelli. Two beautifully decorated mantels, one in pink by Bertermann and one in white by Wiegand, attract universal attention. One table decoration in yellow and one in red will be the attraction for Thursday, also the rose display. The orchid display is better and more varied than in former years, thanks to the selection by Siebrecht & Son, New York. The flowers came in perfect condition, and the crowds around the table caused a perfect jam all the time.

In bush chrysanthemum plants not many were shown. Bertermann and Stuart & Haugh were the only competitors. In single stem plants some beautiful specimens were on show; some elegant ferns and Rex begonias, cyclamens and geraniums formed part of the beds. The rose competition was very lively, also the carnation displays. Will report about these and the chrysanthemum blooms in my next.

The chrysanthemum blooms were all fine; no rubbish was to be seen. Pompons, Chinese and anemone-flowered were shown in better shape than ever before. Roses and carnations were never better in quality and varieties; most of them were excellent. Many beautiful baskets of chrysanthemums were in for competition, one of Major Bonnaffon, one of pink and white were especially attractive. Several combination baskets of plants and flowers made a very good impression. Singing canaries in cages and several aquariums added to the general effect.

The committee have this year fixed admission prices as follows—25 cents Tuesday and Friday evenings, 25 cents during the days, 50 cents Wednesday and Thursday evenings, and 10 cents Saturday for the auction. The proceeds from the auctions, however, are getting less everywhere, as many special premiums are given on plants with the provision that the donors should receive part of the plants, and then not many large plants are shown any more. They used to bring very good prices at the auctions.

Wednesday night the reception to the visiting florists and members takes place at the "Walhalla," in the Mannerchor Hall building. Prizes are set apart for bowling, and an evening of unusual pleasure is anticipated. The awards so far are as follows:

LARGE PLANTS.

Six plants bush chrysanthemums, 1st, Bertermann Floral Co. Specimen white, 1st, Stuart & Haugh, Anderson; 2nd, B. Floral Co. Specimen yellow, 1st, Stuart & Haugh; 2nd, John Heidenreich, Indianapolis; 3d, B. Floral Co. Specimen red, 2nd, B. Floral Co. Specimen pink, 1st, Stuart & Haugh; 2nd, B. Floral Co.

SINGLE STEMS.

Twenty-five white, 1st, H. W. Rieman; 2nd, B. Floral Co.; 3d, Wiegand & Son. Twenty-five yellow, 1st, E. G. Hill & Co.; 2nd, Henry Rieman; 3d, Stuart & Haugh. Twenty-five red, 1st, H. W. Rieman; 2nd, Fred. Rieman; 3d, Stuart & Haugh. Twenty-five pink, 1st, H. W. Rieman. Fifty white, 1st, Stuart & Haugh; 2nd, Huckriede & Son; 3d, H. W. Riemau. Fifty red, 1st, E. G. Hill & Co.; 2d, Fred. Rieman. Fifty pink, 1st, Huckriede & Son; 2nd, Hill & Co. Fifty yellow, 1st, Stuart & Haugh; 2nd, E. G. Hill & Co.; 3d, H. W. Riemau. Fifty in variety, 1st, H. W. Rieman; 2nd, Wiegand & Son; 3d, E. G. Hill & Co.

CHRYSANTHEMUM CUT BLOOMS.

Fifteen varieties, 3 blooms each, 1st, Nathan Smith & Son, Adrian, Mich.; 2nd, E. G. Hill & Co. Ten varieties, 3 blooms each, 1st, H. W. Rieman; 2nd, Nathan Smith & Son; 3d, E. G. Hill & Co. Ten yellow, 1st, H. Weber & Sons; 2nd, Nathan Smith & Son; 3d, W. J. Vesey, Fort Wayne. Ten white, 1st, Chas. Wheatcraft, Indianapolis; 2nd, Mrs. Larsen; 3d, Nathan Smith & Son. Ten red, 1st, Nathan Smith & Son; 2nd, Stollery Bros., Chicago; 3d, Stuart & Haugh. Ten pink, 1st, Theo. Bock, Hamilton, O.; 2nd, Stuart & Haugh; 3d, Hill & Co.

Twenty-five blooms, 5 varieties, 1st, Nathan Smith & Son; 2nd, Fred. Dorner & Sons Co.; 3d, E. G. Hill & Co. Twenty-five blooms, 8 varieties, 1st, Nathan Smith & Son; 2nd, E. G. Hill & Co.; 3d, Stuart & Haugh. Twenty-five blooms, 5 varieties, 1st, E. G. Hill & Co. Twenty-five blooms, yellow, 1st, B. Floral Co., 2nd, Theo. Bock; 3d, Hill & Co. Twenty-five white, 1st, Hill & Co.; 2nd, B. Floral Co.; 3d, Stuart & Haugh. Twenty-five red, 1st, Hill & Co. Twenty-five pink, 1st, B. Floral Co.; 2nd, H. W. Rieman; 3d, Theo. Bock. Ten sprays pompons, 1st, E. G. Hill & Co.; 2nd, H. W. Rieman; 3d, Smith & Son. Fifteen blooms anemone, 1st, Smith & Son.

CARNATIONS.

Fifty varieties carnations, 2nd, Stuart & Haugh. Fifty white carnations, 1st, Weber & Son, Oakland, Md.; 2nd, South Park Floral Co., New Castle, Ind. Fifty red, 1st, Weber & Son; 2nd, Stuart & Haugh. Fifty pink, 1st, Weber & Son; 2nd, South Park Floral Co.

ROSES.

Ten Perle des Jardins, 1st, M. A. Hunt Floral Co., Terre Haute; 2nd, W. J. & M. S. Vesey. Ten Brides, 1st, M. A. Hunt Floral Co.; 2nd, W. J. & M. S. Vesey. Ten La France, 1st, Chas. Wheatcraft. Ten Niphetos, 1st, Chas. Wheatcraft. Ten Bridesmaid, 1st, M. A. Hunt Floral Co.; 2nd, W. J. & M. S. Vesey. Ten Meteors, 1st, M. A. Hunt Floral Co.; 2nd, H. W. Rieman. Ten Mme. Testout, 2nd, Stuart & Haugh. Ten Kaiserin Victoria, 1st, W. W. Coles; 2nd, South Park Floral Co. Ten Beauties, 1st, South Park Floral Co; 2nd, W. W. Coles. Ten Mrs. R. Garrett, 1st, H. Weber & Son. Pres. Carnot, 2nd South Park Floral Co.

The committee in charge of this year's show are as follows: Fred. Dorner, E. G. Hill, Wm. G. Berterman, H. W. Rieman, Anthony Wiegand. J. S. Stuart, president; Robert McKeand, secretary; John Hartje, assistant secretary; J. I. Huntington, treasurer; John Heidenreich, superintendent. W. B.

On Wednesday evening the State Florists' Association of Indiana and the Indianapolis Florists' Club jointly combined to entertain the members of the two societies and the trade visitors to the flower show, Nine o'clock was the meeting hour at the "Walhalla" and about seventy were present including many visitors from neighboring towns. The bowling contest was the feature of the evening though a dozen card tables were provided and well patronized. Some forty-five took part in the bowling which resulted in a tie for first place between Theo. Bock and Ed. Berterman. In the roll off the former won by a score of 50 to 46. Mr. Carl Sonnenschmidt took third prize, and Geo. Stellhorn was awarded the "booby." Mr. J. D. Carmody in a very happy and humorous manner made the presentations of the prizes which consisted of three fine vases and two pairs of boxing gloves.

Messrs. Stellhorn and Langstaff amused the boys by a friendly bout in which everybody had trouble to keep out of the way. Referee Carmody called Mr. L. the winner on a foul and no damage was done. After refreshments in the way of a very bountiful lunch, another game was bowled. The Theo. Bock team beat the Ed. Berterman team by a score of 522 to 508. The gathering adjourned at 12 after a most enjoyable evening. Among those of the craft present were "World's Fair" Evans, of the Challenge Ventilator; Harry Balsley, of Detroit; and Mr. Giesy, of the Lockland Lumber Co.

New York.

OVERSTOCK AND LIGHT DEMAND IN ALL LINES.—CLUB MEETING AND NOMINATION OF OFFICERS ON MONDAY EVENING, NOVEMBER 8.

There is still an abundance of stock coming into the market for the demand. The conditions existing during the past two weeks remain unchanged. No one flower seems to have the preference, for the sale of all drags. While many of the chrysanthemums coming now are fine blooms, still the majority are the smaller varieties, which find their way to the street. The specimen flowers do not find buyers at anything near the figures of a season or two ago. Selected Beauties do not get above 25. The lower grades do not move at any steady figures. The average price of Beauties is fully 50% lower than a year ago.

Carnations are increasing in quantity and improving in quality, but have gone off in price during the past week. Violets are not blooming so freely the past week and an advance in price may be looked for in the event of a stir in business. There is nothing remarkable in the quality of Brides and Bridesmaids, the pro-

portion of really fine flowers with long stems being small.

The stormy weather now prevailing makes things very dispiriting. The wholesalers are crowded with stock and the demand is exceedingly light. The opening of the Astoria Hotel was expected to help a little, but its influence was not felt to any extent.

On Monday evening, November 8, the nomination of officers will be in order.

In our last report the age of the late Mr. Hauser was given as 91 years. It should have been 81.

Boston.

BUSINESS AT A STANDSTILL.—STOCK OF ALL KINDS ABUNDANT AND PRICES LOW.—THE EXHIBITION A SUCCESS — MANY VISITORS.—A TRIP TO WABAN CONSERVATORIES.—A DINNER AND A POW-WOW.—ELOQUENT SPEECHES.—EXHIBIT OF ORCHIDS.

There is nothing to report in the cut flower trade this week. Conditions remain as they have for a month—warm weather, stock abundant, customers shy and critical, chrysanthemums everywhere and prices nowhere. Quality is all right; in carnations, roses, violets and such other stock as goes to make up the ordinary market variety, one may get double extra stock in quantity unlimited at prices sub rosa and he has not far to travel to get it.

The main attraction at present is the chrysanthemum show at Horticultural Hall. Plenty of strangers are in town and Horticultural Hall is their Mecca. The front is brilliant at night with electric lights and the interior is resplendent with the finest display of cut flowers ever staged, not to mention the beaming and ruddy faces of the happy growers who have either won first prizes or had the honor of shaking hands with the man who did. Vases of cut blooms there are that required the use of a step ladder for their arrangement, and there are plants growing in ten-inch pots that if the flowers were cut off could not be crowded into a ten-inch vase. Altogether it is a grand exhibition and those who have travelled many miles to see it feel well repaid for their trouble, not to mention the enjoyable adjourned session that took place Tuesday evening when the merry side of the hard-worked gardeners was brought to light and all thoughts of election returns, stormy weather, premiums, etc., were lost in the shuffle and good fellowship reigned supreme. Come again, from Newport, from New Hampshire and New Jersey and other foreign countries and even though you do give us a little scare on the premiums we won't object and you are doubly welcome to all you can catch.

Mr. E. M. Wood's annual invitation to Waban Rose Conservatories was responded to by about seventy gentlemen high in horticultural art or eminent in public life who inspected with admiration and pleasure the products of this great establishment which is the pride of Boston floriculture. It took place on Thursday last. A special car had been provided and leaving the train at Wellesley the party were conveyed in wagons to the greenhouses at Natick. To some it was a new experience, others had been there often before but those who had seen the place oftenest were the most enthusiastic, and chrysanthemums and roses were pronounced to be in finer shape than ever before. After a couple of hours spent in going through the vast range of houses under the guidance of Mr. Wood and Mr. Montgomery the visitors embarked once more on the 'busses and were driven to Bailey's Hotel, of which they at once took possession, and it is safe to say that the dining room of this hospitable old inn never held a merrier crowd.

The dinner was of the sort that E. M. Wood knows so well how to provide. When all were satisfied Mr. Wood arose to say a few words of welcome and received an ovation which might have cracked the walls. It was several minutes before he could proceed and his assertion that "those who are interested in the growing or sale of flowers are jolly good fellows" was applauded in a manner that proved its truth. He spoke pertinently of the injury done to his fellow growers by the man who floods the market with inferior goods, looking only for momentary results and failing in a proper regard for the glory of his art, and paid a high compliment to Mr. Montgomery to whose skill, patience and assiduity he attributed all the credit for what the visitors had seen today. He then introduced Edward Hatch as toast master, who immediately responded amid tumultuous applause, and thereafter managed the proceedings with rare tact and ability.

Judge Hoitt was the first victim but he was equal, as usual, to the emergency, and with quick wit, humorous anecdotes and appreciative compliment to his host held his audience to the end and delivered it over intact to the next speaker, Hon. Jos. O'Neil. Mr. O'Neil's speech was also a good one, his amusing stories about government seed distribution and other congressional experiences being exceedingly entertaining, and his testimony that "there is no business on earth more elevating to the heart and the mind than the growing of flowers, and a man like Mr. Wood is a public benefactor" being cheered to the echo. Alderman Barry spoke of the influence of flowers in the home, referred with pride to the fact that his son was a first graduate of Amherst Agricultural College and was enthusiastically applauded when he asserted that on each Park Board there should be at least one member scientifically educated in the work. Joseph Conroy, president of the city council, also spoke entertainingly.

Among the speakers more accustomed to be heard at gatherings of this character were F. L. Harris, Patrick Norton, Lawrence Cotter, who pronounced the chrysanthemums at Waban to be the highest product of the highest skill of the floriculturists' art, Fred Mathison and Warren Ewell who were as witty as ever, John Galvin, J. M. Galvin E. N. Pierce and Jackson Dawson, who told briefly of some of his experiences in Cork on his late European trip. The singing of various popular songs under the leadership of Mr. J. M. Galvin was a feature. Among the decorations on the table was a pretty specimen of Begonia Gloire de Lorraine, grown by F. L. Harris.

On Saturday of last week Carl Blomberg made a notable display of orchids at Horticultural Hall. One spike of Cattleya Bowringeana had thirty-five blooms on it. There were thirty-five sorts of cypripediums, among them being the rare varieties Annie Ayling, Chamberlainiana, Aspasia, Behrensiana and Spicerianum aureum.

Visitors in town: A. Dimmock, New York; A. Herrington, Madison, N. J.; Robt. Patterson, Portsmouth, N. H.; Robt. Laurie, Newport; P. J. Donohue, Lenox; A. B. Knickman and J. E. Killen, New York.

Philadelphia.

MEETING OF FLORIST CLUB —PRESIDENT'S ADDRESS —MR. CAREY READS A PAPER ON CHRYSENTHEMUMS.— ANNUAL 'MUM DINNER CHANGED TO A SMOKER.—PRESENTATION OF PICTURE OF PRES. HARRIS IN COSTUME — HUGH GRAHAM'S NEW 'MUM PENNSYLVANIA —BUSINESS FAIR.—PRICES ABOUT SAME —VARIOUS PERSONAL ITEMS.

The November meeting of the Florists' Club held last Tuesday evening was well attended. Those present had the pleasure of listening to President Harris's inaugural address in which he laid out the work for the ensuing year. His address contained many practical points which if carried out will be of great benefit to the club. Mr. Carey's paper on "The best twenty-five chrysanthemums and the reason why," showed much thought and was a thoroughly practical essay.

The annual chrysanthemum dinner, after discussion, was changed to a smoker. This is to be given next Wednesday evening, tenth inst., and promises to be a great gathering of the craft. Cards of admission are placed at fifty cents. The entertainment committee, consisting of the officers of the club, augmented by John Westcott and several other members, will no doubt have a treat for the boys in an intellectual way and this, combined with the usual inner linings, will no doubt find everybody, when going home, in a happy mood.

The particular event of the evening was the presentation to the club of a picture of its present president in costume, that is the costume he wore when he made his debut in the play with the mighty Falstaff on the ocean pier at Atlantic City. Whether Mr. Harris looked his best on that occasion is a question, but the crayon drawing faithfully portrays him and is a most excellent piece of work. Mr. Burton made the presentation speech for Messrs. Whilldin & Co., who had the picture prepared and elegantly framed. When the covering was removed there was a shout and no one was more surprised than Mr. Harris himself.

The coming show promises to eclipse any of its predecessors, at least so says Secretary Rust, the entries at this date being much fuller than last season. One of the stars will be Hugh Graham's new Pennsylvania, which is a golden yellow Philadelphia, being a sport from this famous variety. It is similar in every other respect except color.

Business has been fair for the season, nothing great having happened to cause an extra demand. A boost to the 'mums was given by John Wanamaker, who placed on exhibition in his store about 2,000 fine blooms. These were not for sale being simply arranged for display; they made a fine show and attracted considerable attention.

Prices are about the same as last week, a few of the select Beauties have moved up a bit, $2.50 to $3 being asked for the best. There are plenty of 'mums, but the market for good stock holds fairly well, the best flowers bringing $2 to $2.50 per doz. at wholesale. Plants well grown sell in 6 inch pots for from $20 to $25 per hundred, 8-inch stock bringing $40 to $50. Palms are selling a little more lively, but with a tendency to lower prices.

Julius Wolff, Jr., is about putting a new wagon on the street. It is large and roomy for hauling decorative plants.

Miss Anna Ditter, for some time principal saleslady for J. Wolff, Sr., has opened a cut flower store at 1412 Susquehanna

avenue. This should be a good location and as the lady is thoroughly accomplished her venture will no doubt be a success. K.

Chicago.

TRADE SOMEWHAT SLOWER.—HORSE SHOW HELPS DEMAND.—PRICES.—THE CHRYSANTHEMUM SHOW.—CLUB'S BANQUET NOV. 11.—VISITORS.

Trade has been somewhat slower with most dealers the past week, though one commission house had an order for 42,000 flowers to go to Minneapolis. This, naturally, necessitated the purchase of flowers from other dealers in order to fill the order, thereby using up the accumulated stock and practically cleaning up the Chicago market. The Horse Show, which is the fashionable event of the season, has increased the demand all round. Beauties are used to considerable extent, but the principal call is for violets, for which the supply is woefully inadequate to fill the demand. This has a tendency to increase the price from 75 cents, as last quoted to $1 and $1.25 for extras. Yellow 'mums, especially Sunderbruch and Bonnaffon, were also in great demand for this event.

Good teas are in fair supply, Brides and Maids being quite abundant and rather slow sellers; $2 and $3 are the prices for fair stock. Meteors are rather better sellers and are held at $4, while Kaiserin still holds its own at $5. Carnations are not quite as plentiful. There are sufficient to go around but not enough to cause any noticeable glut. Prices are still about 75 cents to $1 with fancies held at $1.25 to $2 and in good demand at that.

Preparations for the chrysanthemum show are complete and all connected with the management are hustling to the limit. Present indications are that this exhibition will exceed in volume and effectiveness any previous one. The list of special premiums will be unusually large and the exploitation of the affair through the papers and other means has been very thorough. Freely illustrated special articles will appear in all the Sunday papers and the press seems more favorably disposed than ever toward the annual feast of flowers. Superintendent Rudd has everything in good shape for receiving and caring for the exhibits as fast as they arrive. A full report of the exhibition will appear next week.

The Chicago Florists' Club will give their annual banquet during the flower show Thursday evening, November 11, in the Sherman House banquet hall. Those wishing to attend and not being able to go with the delegation from the chrysanthemum show will kindly assemble in the gentleman's parlor, Sherman House, at 8 o'clock. The banquet will begin at 9 o'clock sharp.

The club will have representatives on the floor at Battery D during the afternoon to give full details and banquet tickets can be secured from the committee of arrangements, Messrs. John Reardon, Walter S. Heffron, and Chas. W. McKellar. There will be plenty of good things to eat and drink, intermingled with abundance of music, songs, etc. All should endeavor to attend.

Mr. Glover, of Winter & Glover, returned Saturday from Horican, Wis., where he had been called to attend the funeral of his wife's brother.

Recent visitors: Mr. M. Rice, of M. Rice & Co., Philadelphia; I. L. Pillsbury, Galesburg, Ill.; B. E. Niles, Blissfield, Mich.; A. C. Brown, Springfield, Ill.; R. Hoffman, Elkart, Ind.; Mrs. E. Wilson, Cleveland.

Mr. W. W. Barnard is away on an eastern trip.

St. Louis.

RAIN AT LAST.—HEAVY RECEIPTS OF ROSES.—BEST SELLING CHRYSANTHEMUMS.—SHIPPING TRADE GOOD.—SUPPLY OF BEAUTIES SOMEWHAT SHORT.—PRICES ON OTHER STOCK.—THE COMING CHRYSANTHEMUM SHOW.—VISITORS.—BOWLING.

The long drought is broken at last. It rained Sunday and Monday, this being the first in 98 days and everybody is happy. The heavy receipts of roses that were coming in last week still continue but we will hope that the cooler weather will decrease the receipts. The market does not improve for roses, however, owing to the increased crop of chrysanthemums. There are lots of fine blooms of the latter in the market. The best sellers are Ivory, E. G. Hill, Queen, H. L. Sunderbruch, Mutual Friend, Robinson and Major Bonnaffon. The best of these bring 25 cents and from that down. There is no southern stock coming in now and the few that did come in were very bad.

Trade is improving slowly. C. A. Kuehn, Mound City Cut Flower Co. and C. W. Wors, our enterprising commission merchants, report a good shipping trade.

In roses Beauties are about the only stock that is short in supply. Very choice stock brings $2.50 per dozen. Other roses such as Bride, Meteor, and Kaiserin are selling at from $1.50 to $2 per hundred. Perles, Woottons and Maids sell as low as 50 cents and $1 per hundred. Carnations were beginning to come in in large quantities last week with the price as low as 50 cents per hundred, but this week they are a little scarce and the price went up to $1.50 to $2 for prime stock. Good reds are still scarce. Scotts are more plentiful than any other. There is also a good call for white. Violets are scarce and only the small single and Californias can be had in small quantities, no double to be had. Valley holds its own at $4. Smilax is also a little scarce, price 15 and 18 cents per string.

The prospects of the coming chrysanthemum show are very flattering. The public at large is taking more interest this year than ever before. The committee reports that the exhibitors can bring their plants to the hall on Monday morning. Everything will be ready for them at 9 a. m. and every display must be in place by 4 p. m. on Tuesday, November 9. The premium lists are out and in the hands of the growers by this time and the entries are coming in from every direction, and all indications point to a successful show. M. Rice, of Philadelphia, L. Bauman, with Frank Netschert, of Chicago, and Mr. Durfee, of C. Strauss & Co., Washington, D. C., were our visitors last week.

Fred Ostertag, late of Ostertag Bros., has left St. Louis to open a floral establishment in Indianapolis, Ind. Good luck to you, old boy.

At the Bowling Club Monday night the attendance was good, considering the bad night. Emil Schray rolled high in three games, 485; Kuehn second, 475; and Beyer third, 470. In single score Beyer was high, 199; Kuehn second, 189; and Beneke third, 187. After rolling, a meeting was held and next Monday night we roll on our old alleys again. Mr. Weber invited the members to his home next Thursday night and a jolly time is anticipated. J. J. B.

Milwaukee.

TENDENCIES OF THE TRADE.—COMMISSION ROSES.—FLORAL ARRANGEMENTS.—THE FLOWER SHOW.—NOVEL DECORATIONS.

The matters pertaining to the florists' business in this city are interesting; whether they differ from those in other cities the writer will not discuss, but it is quite evident that we are evolving toward some condition far different to those which existed some time back. Five years ago the management of the Whitnall greenhouses quit growing roses, increasing their stock of ferns and palms. This season Mr. Ben. Gregory and N. Zweifel are following suit, excepting that they are devoting the room to carnations. Currie Bros. are also shortening their rose crops and increasing proportionately in other lines. A. Billings has not planted roses this season. This does not argue that less roses will be used here, but shows that the rose growers out of town are to be depended upon for all Milwaukee's roses. This change of management is developing in outside towns as well; many of the smaller towns of this state have increased their rose trade, but are growing weary of growing their own roses. One fact concerning these changes is interesting; the florists here have insisted all along that the commission roses were not so good, claiming that they would do at times to help out, but while they would speak discouragingly of them other stores would open a flower window, purchase the commission roses and "get away" with the "legitimate florist." A "fakir" will locate at some prominent corner and sell more roses in a day than any of our local florists would cut in a week; the consequence is that the florist is now forced to give up growing in order that he may compete with the druggist, grocer and other fakirs; it gives the outside growers a monopoly. With violets and carnations the same result will no doubt be obtained, but it will take much longer, as the larger growers of Illinois do not appear to be able to produce flowers of the best quality as a rule. The strong hold for these flowers is developing along the C. M. & St. Paul railway west of Milwaukee. The present lack of capital appears to be all that prevents this locality from absorbing the demand; the output is, however, increasing rapidly and as the quality of flowers advances the demand for quantity decreases, and the use of choice foliage is on the increase.

The demand for floral designs is decreasing. This has been the main dependence of several florists on which they have been able to live while other changes were making a hole in their pocket. This loss necessitates some other changes which many are unable to determine on. This dilemma confronts those principally who have greenhouses on their hands. The question arises, what shall they grow? The writer would be inclined to say, grow pot plants, but when a florist like Mr. N. Zweifel, who has grown the finest cyclamens for years, says he will grow no more as they do not pay, what would you advise? There has been more decoration for receptions this fall than for four years, but the work has been done by comparatively few florists. The flowers which have been sent in have been largely "Chicago-grown Beauties," a few other roses and a very few carnations, and lately some chrysanthemums, but as you look over the decorations you look almost in vain to find what there is there that will pay for the support of the Milwaukee florists' greenhouses.

As to the coming flower show, it will to some extent change its relation with the

local growers. While it is to be held under the auspices of the Milwaukee Florists' Club, it is being run by Mr. A. Klokner, who has guaranteed a certain amount of prizes and assumes the whole responsibility. There is no reasonable doubt but it will be a most satisfactory show both to its patrons and management. Mr. Klokner has had considerable experience and is progressive enough to adapt himself to the circumstances as they exist. The last year's show was managed without regard to the fitness of things, and had a tendency to discourage the members of the club. The enthusiasm which existed last year for specimens for the show does not exist here; there has been but little grown in Milwaukee expressly for the show, although the most of the flowers offered for sale up to date have been of a better quality than usual. Mr. Klokner has it understood with all exhibitors that the cut flowers are his property after the show and has arranged with the lady managers of the Infants' Home to auction them for their benefit at the last evening, it is quite certain that the ladies will secure a large attendance that evening at least.

The placards announcing "Fresh roses, 25 cents a dozen" are numerous on Grand avenue this month. Currie Bros., have improved the appearance of their Wisconsin street store very much by moving the door-way to one side, they now have a beautiful show window. Their display of Pancratium grandiflorum in bloom has been quite attractive lately.

There are more bulbs being planted in the residence portion of the city than there were for the past two seasons.

This locality is now supplied with common ferns from Michigan; they are highly satisfactory.

Some of the decorations this last month contained novel features which may be of interest to florists in other cities. One dining room had a grape vine twined over branches of autumn leaves from which were hung choice grapes, with a basket full of grapes on the side board as if just picked from the vine. It was simple in appearance but made quite a sensation. Another was arranged with a peach tree, the fruit being tied on. A most beautiful staircase decoration was made with bamboo plants at base and Alabama smilax running up banisters and over long fish poles suspended, which bent over gracefully, the foliage of bamboo and smilax blending well together. For mantel decorations where there were two shelves, the upper one was filled heavy with foliage, the lower one contained pansies or tuberous begonias, which were very much admired. Pots of variegated stevia were used with carnation foliage and blooms of Daybreak carnations. Several reception rooms were darkened, lit with gas and decorated suitably with ferns, the walls covered to the ceiling. Asparagus vine falling over branches carelessly in the form of initial letters. Perhaps the most striking departure from the ordinary was a large parlor which had the two walls covered with gorgeous maple leaves, yellow, crimson and green. They were preserved by having the ends of large bunches rest upon the floor in pans of water, filled with ferns; on the branches was wired large pots of yellow chrysanthemums, the pots being concealed by maple leaves, looking as though the flower stems extended from the floor; this was a big job but simple in appearance and created a sensation.

Coal dealers are warning us that there will be a coal panic and price will soon go away up, but this beautiful weather we are having seems to make the florist score-proof.

Violets suffered with the heat this fall, but are now coming in quite nicely. Mignonette will be unusually late this season. Cosmos is very good.

C. B. W.

San Francisco.

TRADE KEEPS UP WELL —OUTSIDE 'MUMS ARE VERY GOOD.—VIOLETS COMING IN SLOWLY.— CARNATIONS SCARCE.— MILDEW ON ROSES.—PERSONAL ITEMS.—SAN RAFAEL HOLDS ITS FIRST SHOW.—EXHIBITION OF THE SAN MATEO CO. FLORAL SOCIETY.

Trade has kept up very well during the past few weeks on account of good weather, and prices have also been fairly good. As a rule stock grown outdoors this season has been much superior to anything we have had for years past and consequently brought good prices. The outside grown stock of Major Bonnaffon has been fully as large as that grown inside, but of course was not so well shaped. Prices on 'mums of all kinds have dropped a little, but as we are now experiencing some very stormy weather, which will eventually spoil a large quantity of outdoor 'mums, prices will undoubtedly rise a little. Mrs. Robinson is the finest white coming into the market this season. We do not see so many Queens or Niveus as in seasons past. Western King has done splendidly. There is quite a steady demand for cheap white 'mums for funeral work. Well grown blooms from under glass bring from $1 to $2 per dozen and prices range from that figure down to 10 cents per dozen for small stuff.

Violets are still coming in slowly, Marie Louise being the only variety as yet. Carnations are a scarce article and are much in demand, Scott being the leader. Some Jubilee are to be seen, also Armazindy. Roses were rather poor during the past week or two on account of the cloudy weather. Quite a lot of the stock coming in seems to be badly affected with mildew. Roses from the present outlook will probably be scarce again this winter. Beauties are also poor in size.

Palms and decorative plants are beginning to move, now that the people are coming back to town for the winter. Palms in good salable sizes are rather scarce and high in price. Smilax and ferns are plentiful and are moving slowly.

The many friends of Tom Stevenson, the Powell street florist, will be glad to learn that success has crowned his efforts in the Alaska gold fields. Tom is now working a very fine claim on Minook Creek and from all accounts is doing splendidly.

The Santa Rosa Floral Society will hold its annual chrysanthemum show during the first week in November. It promises to be one of the most attractive affairs ever given here. The exhibition will be held in Ridgway Hall and from the large number of applications for floor space it will undoubtedly prove successful. Liberal prizes have been offered to professionals to compete. The show will probably last for three days.

The city of San Rafael has just been treated to its first chrysanthemum show and judging from the appreciative crowds that thronged the hall nightly it must have been an unqualified success. On the sides of the hall were many interesting displays made by amateurs, chrysanthemums being the chief flower in evidence, although there were many well grown roses and carnations to be seen. The hall was nicely decorated with palms, evergreens and various groups of decorative plants.

Mr. A. Pottett, accompanied by his foreman Mr. John Gilmore, spent some time in San Jose last week visiting the different growers.

Mr. A. W. Mitchell, who has for several years past been with Mr. Sidney Clack at Menlo Park, departed for his home in England last week.

Mr. George Angus, the well known gardener to Jas. A. Donahue, Esq., left for Europe, accompanied by his family, on November 1. George will visit all the leading growing establishments during his stay and will undoubtedly bring back many interesting things with him. He will be gone about four months.

The third annual chrysanthemum show of the San Mateo County Floral Society in Redwood City opened on the 21st and closed on the 23d. Mr. M. Lynch of Menlo Park was awarded first prize for the largest and best collection of cut blooms. He showed in all about seventy-five varieties, many of them being seedlings never before shown. On the center of the table was a very large vase of Mrs. Henry Robinson, on the left was a large bunch of Bonnaffon, and on the right a vase of Viviand Morel. A large vase of Nathan Smith & Son's Western King was greatly admired. By the way I may state here that this variety has proved a fine white for outdoor work, and from its good shipping qualities and splendid size is going to be one of our best sorts for outside culture. Among Mr. Lynch's exhibit was a pink seedling chrysanthemum which originated with the Japanese growers last season. It was much admired on account of its size and color.

The Sunset Seed & Plant Co. showed a large collection of palms and decorative plants very artistically arranged. Among the collection were some well grown kentias and phœnix. They also showed a fine collection of ferns, all of which not being for competition.

Mr. Thos. McIntyre, gardener to C. W. Smith, Esq., showed a splendid lot of well grown 'mums, chief among which were some extra fine Mrs. Robinson and Major Bonnaffon. This exhibit was awarded first prize for amateurs.

Mr. H. M. Holbrook, of Menlo Park, was also on hand with a fine lot of cut flowers and ferns, which occupied a circle on the left side of the hall. He showed some finely grown Golden Gate and Viviand-Morel. His collection of ostrich-plume chrysanthemums was also greatly admired. His ferns, particularly the Adiantum Williamsii, were very excellent.

On account of the stormy weather the show was not so well attended as in former years but I am informed that it was a financial success.

The California State Floral Society will hold its chrysanthemum show next week in San Francisco lasting one day only. No admission fee will be charged and the society hopes for its success.

METEOR.

Providence, R. I.

CHRYSANTHEMUMS IN DEMAND.— PINK VARIETIES APPEAR SCARCE —STEM ROT ON CARNATIONS. — FLORIST CLUB TO HAVE A LADIES' NIGHT.—VARIOUS ITEMS.

There is an active demand for chrysanthemums and some fine specimen flowers are now in the market; prices range from $1.50 to $3.00 per dozen. Pink varieties seem to be much in demand and somewhat scarce. 'Mums still hold the boards and there is not much demand for

other flowers. Roses are very low. Carnations are a little firmer in price and in rather better demand. Violets are coming in in small quantities but the grower that can cut one hundred 'mums in about the same time that he can pick as many violets, getting $8 for one and 50 cents for the other, does not care to bother with violets.

Many growers of carnations are complaining about stem rot this season. Many plants were lost in the field and still the trouble does not end after they are housed. Undoubtedly much of the trouble is due to too deep planting and perhaps over watering. I am satisfied that is the trouble with those that I have lost in that way.

At the last meeting of the Florists' and Gardeners' Club of Rhode Island much interest was taken in the matter of a "ladies' night," given as a compliment to the ladies who so kindly assisted the club at the convention held here in August.

The committee who have the matter in charge are N. D. Pierce, Jr., Ed. J. Johnston and Wm. Hill. The date will be on our regular meeting night in January. Since last reports ten names have been added to the club membership. Mrs. Farquhar Macrae was unanimously elected as an honorary member in recognition of services rendered the club.

Mr. A. M. Rennie is improving slowly but still confined to his room.

Mr. Bryant, representing A. H. Hews & Co., and Mr. Skidelsky, representing M. Rice & Co., were recent visitors.

LITTLE RHODY.

Buffalo.

'MUMS DON'T APPEAL TO VOTERS —BUSINESS NOT BAD.—NEEDED RAIN COMES.—SMALL SALE OF CHRYSANTHEMUM PLANTS —HARRY BAYERSDORFER TALKS DIALECT.—VARIOUS ITEMS.

The quantity and extra fine quality of our municipal campaign is so distracting to the mind that all other thoughts are temporarily expunged and as this moment is noon of the day of election our mind is more in sympathy with the poor office holders whose doom will be sealed tonight than with the consideration of what we will grow for an early pink next year. As the Chicago platform had to be worked into the contest we tried to raise the idea that a golden chrysanthemum was the right thing to adorn the staunch Republican as he marched to the galvanized iron tent to deposit the result of his serious reflections, but it is not working up to the hour of writing, the majority of the voters investing in 5 cents worth of amber colored liquid of the shade of old "Source. d' Or" and then, begorra, they'll vote for ——.

It's raining and has rained slowly but surely for forty-eight hours. It's gentle but fast enough to sink in and do good and not run off into the creeks and then to rivers and find its way to the Atlantic. It was never much worse needed in these parts than just now.

Business take it all round is not bad but there is a slight falling off in the demand for 'mums. The sale of chrysanthemum plants is this year very discouraging. Large quantities of them are sold in the markets but at a wretched price. Perhaps the people have had enough of them for a few years and perhaps when those yellow leaved attenuated field grown plants are gone the better stock will find a sale. There are some excellent pot-grown plants in town and we hope their quality will being their reward before long.

There have been no visitors in town except one most notable exception, Mr. Harry Bayersdorfer. He began to talk to me this morning over the telephone and was well started into some of the reminiscences of his last visit to Poland when the young lady suddenly shut us off; the time limit was not up but the accent was distressing, I suppose.

Mr. D. B. Long has just returned from a flying visit over a large portion of the Empire State but of what he has seen and done I have yet to come.

Prof. Cowell recently returned from a two week's trip through the center of "ornamental horticulture." He would linger but a while over a house of roses, but at the Arnold Arboretum would take a smile with congenial friends. W. S.

Pittsburg.

LONG LOOKED FOR RAIN ARRIVES —STOCK PLENTIFUL.—FLORISTS' CLUB DECIDES TO HAVE NO CHRYSANTHEMUM SHOW THIS YEAR.—FINE EXHIBIT AT PHIPPS CONSERVATORIES.—LIST OF PRINCIPAL VARIETIES OF 'MUMS —MR. FALCONER ARRANGING FOR AN EXHIBIT OF ECONOMIC PLANTS.

The trade situation during the past week remained practically in statu quo, but now that the long looked for rain put in an appearance on Sunday night (none since September in this section), continuing all Monday, and again on Tuesday night, and with its cessation cooler weather setting in, the florists are cheerfully and expectantly awaiting the improvement they have been predicting would manifest itself upon a change of weather that would drive people to indoor entertainments. Stock of all kinds is very plenty and especially chrysanthemums, which are coming in in large quantities, and very fine ones too.

The Florists' Club was to have held a meeting last week, but did not have a quorum present. The flower show project was talked over, and several charitable associations were willing to undertake one, but the florists concluded that it would not be for their best interests to agree to make an exhibit without the growers having made suitable preparations earlier in the year whereby they could show something other than designs and cut flowers, therefore the project is virtually dead for this season.

The greatest and finest chrysanthemum show ever given in America is on view now at the Phipps Conservatories in Schenley Park under the direction and supervision of Mr. Wm. Falconer, superintendent of the park. The above is the opinion expressed by experts. Mr. Wm. R. Smith, curator of the Washington Botanical Garden, who examined it on last Sunday, said: "While I have seen better single specimen flowers in some instances, I have never seen such a good general display. I do not think there has ever been a better show of the kind in the country. I have heard much of Pittsburg becoming a great art and music center, but if this exhibition is an average of your flower shows Pittsburg will soon be the center of horticulture also." Mr. Falconer, when pressed for his opinion a few days before as to how the display compared with similar exhibitions in the large cities of the east, said: "I think I can say without conceit that it is the finest display of chrysanthemums ever made in this country. There have been many notable displays in New York and other cities, where they have shown perhaps the six finest purple varieties, or the dozen finest white ones, or the 24 finest varieties of all colors, or something like that, but for a complete exhibit I think this is ahead of anything done before, and we have the space and surroundings to do the flowers full justice."

The extent of the exhibit can be imagined when one is informed there are 338 different varieties shown and over 9,000 plants in the exhibit. To Mr. Falconer and his able foreman, Mr. Joe Spring, great credit is due, but as Mr. F. says, the main credit belongs to Mr. J. W. Jones, who has had full and complete charge of the growing and developing of the plants that go to form this magnificent display, that the arranging of them was a comparatively easy job. The foliage is particularly fine and is universally commended.

The main exhibit is in the new addition to the conservatories, which is about one-fifth as large as the original ones; consisting of a large center house with two wings from it, all without partitions or divisions between them. One enters the main part directly from the palm house, but a great high fern-covered rockery with water falling over it shuts off a sight of the 'mums until you pass around a short distance, when you get an extended view.

There are no benches set up in these houses except at extreme sides. The walks are winding and the flower spaces are outlined with tufa stone, forming a wall on an average two feet high; inside this is filled and built up so that the highest parts are at least 10 to 15 feet high. The plants here are in pots arranged so that one can see them to their best advantage. At the sides next the glass, and wherever needed, are plenty of cosmos, etc., and a large display of pompon and single chrysanthemums, while at the top of the tufa stone walls, are used small plants of Grevillea robusta in profusion which render the pots invisible.

The varieties that have the most noteworthy blooms are: Purple—Mrs. Geo. West, Miss Eva Robinson, Mrs. A. J. Drexel; pink—Wm. Simpson, Viviand-Morel, Iora, Halloween, Zulinda, Dorothy Toler, Mrs. Geo. A. Magee, Indiana and Mrs. R. C. Kingston; cream pink—Silver Cloud; white—Mrs. H. Robinson, Mutual Friend, Mrs. Jas. Thompson, Cecil Ray, Ivory, Marie Louise, Nemesis and Gen. Dodds; yellow—Gold Dust, Minerva, Georgienne Bramhall, Mrs. Geo. H. Morgan, Golden Wedding, H. L. Sunderbruch, W. H. Lincoln, Clinton Chalfant, Pitcher & Manda, Philadelphia and Miss Johnson; bronze—Golden Gate, Marguerite Jeffords, Sunrise, Nianza, Chipeta and Robt. M. Laird; hairy section—L' Enfant des Deux Mondes, L. Boehmer, Plumed Knight, Mrs. Higinbotham, Mrs. Alpheus Hardy.

Of course the majority are grown to single stem, but there are numerous standards, and plants with 4 blooms to a plant and up to 20 to 25, the flowers of which compare very favorably indeed with many single stems. In fact, it is the general excellence of all that is the wonder in such a large number of plants. On Sundays the houses are crowded; over 3,000 from surrounding territory came in on an excursion to see our flower show and hear the grand organ recital by Frederick Archer in Carnegie Music Hall at the entrance to Schenley Park. These with our own citizens keep the conservatories crowded all the time. The employes are busy now planting for a bulb exhibit and have only 99,150 bulbs with which to make it. It will in all probability be as noted an exhibit as is this chrysanthemum exhibit. REGIA.

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Tomato Disease on Forced Plants.

By an unfortunate slip I neglected to add to the directions for the treatment of tomato disease with the ammoniacal carbonate of copper in the FLORIST for October 30 (page 283), that the stock solution made as there directed should be diluted with 15 to 20 volumes of water before using. The intention was to suggest the use of the fungicide as generally applied, only somewhat weaker, as the indoor grown plants are more sensitive. The remedy is the best known.

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" Perles, Wootton	.50@1.00
Carnations fancy	1.00@2.00
" common	.50@.75
Cosmos	.15@.25
Valley	4.00
Violets single	.25
" California	.40
Chrysanthemums fancy	10.00@25.00
" common	6.00@8.00
Smilax	15.00@18.00
Adiantum	1.00
Asparagus	35.00@50.00
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Roses, Beauty select	20.00
" medium	10.00@15.00
" short	4.00@8.00
" Brides, Bridesmaids	2.00@3.00
" Meteors, Morgans	5.00
" Kaiserin	3.00@4.00
" Perles	2.00@3.00
Carnations	.75@1.00
" fancy	1.50
Valley	4.00
Violets	.50@.75
Chrysanthemums extra	10.00@15.00
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Smilax	12.50@15.00
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Carnations	.50@ .75
" fancy	1.00@ 1.50
Violets	.75@ 1.25
Valley	4.00@ 5.00
Cosmos	.25
Chrysanthemums extra	10.00@25.00
" medium	4.00@15.00
Adiantum	.50@ .75
Smilax	10.00@12.00
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The CHRYSANTHEMUMS which we handle are grown by **Specialists** who capture the **prizes** in their classes at the **Flower Shows.**

Buyers should appreciate the advantage of purchasing their stock from **Headquarters,** where the finest flowers in the largest variety can be obtained. Price list mailed on application. .. .. ..

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THE BEST MARKET IN NEW YORK.
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Roses, Beauty, extra	20.00@25.00
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" Bride, Bridesmaid, Meteor	.50@ 3.00
" In thousand lots per 1,000	2.50@10.00
Carnations	35@ 1.00
Valley	1.00@ 2.00
Violets	.50@ .75
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Chrysanthemums	2.00@12.00
Adiantum	.50@ .75
Smilax	6.00@10.00
Asparagus	35.00@40.00
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Roses, Beauties	6.00@25.00
" Gontier, Perle	1.00@ 2.00
" Bride, Bridesmaid, Meteor	2.00@ 5.00
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Valley	2.00@ 4.00
Chrysanthemums	4.00@16.00
Adiantum	1.00
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Roses, Beauties select	20.00@25.00
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" Brides, Maids	2.00@ 4.00
" Meteors, La France	2.00@ 4.00
Carnations	.75@ 2.00
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" ordinary	8.00@12.50
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Record Breaking Carnations
ALL THE YEAR ROUND.

American Beauty
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Roses shipped to all points. Price list on application.

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Careful Shipping to all parts of the country. Price list on application.

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9 Chapman Place, 15 Province Street, BOSTON, MASS.
WELCH BROS., PROPRIETORS.
Consignments from regular growers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.
THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

TRAENDLY & SCHENCK,
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Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.
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BEAUTIES AND VIOLETS, SPECIALTIES.
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JAMES M. KING
is completing additions which will make his store THREE TIMES AS LARGE as at present.
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Growers for New York market please call or write.
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THE NEW YORK CUT FLOWER CO.
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ALWAYS ON HAND: CARNATIONS, BRIDESMAIDS, BRIDES.
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Asparagus Plumosus Nanus.
Strings 10 to 12 feet long,
50 CENTS.
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ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
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BEST MARKET PRICES GUARANTEED

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

THE Brown Bag Filling Machine Co. will supply machines for the execution of the government order by the Henry Phillips Seed & Implement Co.

ENOS S. HARNDEN, formerly special agent for the Dept. of Agriculture under Secretary Morton, is now in the employ of the Henry Phillips Seed & Implement Co. Toledo has become quite a Mecca for wholesale seedsmen and their representatives.

MR. C. P. BRASLAN suggests regarding the work of the Seed Trade Association, that if further gratuitous distribution of seeds by the Government is to be discontinued, more active effort within the next thirty days is necessary, otherwise the Government will again distribute seeds in the spring of 1899.

MR. ALFRED SUTTON, J. P., of the firm of Sutton & Sons, Reading, England, who died August 7th last, left a personal estate of $600,000. John and Herbert Sutton are executors. Besides a liberal allowance for his widow, Mrs. Ellen Sutton, his six sons are given approximately $35,000 each and his three daughters about $30,000 each.

CROP REPORTS on German grown flower seeds October 15 indicate that continued rains through September seriously damaged the aster flowers and plants which were finally destroyed by frost October 4. This same frost destroyed the plants of zinnia, marigold and salvia, the crop of which will be very light. The pansy crop may be called a moderate one. Stocks promise a fair yield. The verbena crop is poor, suffering from drouth early in the season and from the September rains.

NEW YORK.—The sale of remaining stock of the McAllister Company took place on Friday afternoon and Saturday morning last. The prices realized were exceptionally high. A great portion of the goods were bought by the Stump Walter Co. Mr. J. P. Cleary was the auctioneer. Mrs. McAllister will continue the seed business at 59 Cortlandt street. Bulbous stock is getting very scarce although on account of warm weather very little bedding has been done so far. Reports to the same effect come from Philadelphia. Some lots of imported Lillum auratum have arrived in poor condition.

Catalogues Received.

Phœnix Nursery Co., Bloomington, Ill., trees, plants, shrubs, etc.; Schlegel & Fottler, Boston, Mass., seeds, bulbs, plants, etc.; J. H. H. Boyd, Cagle, Tenn., tree seeds; Mrs. Maud M. Briggs, El Paso, Tex., cacti; Texas Seed & Floral Co., Dallas, Tex., plants and bulbs for winter blooming; Chas. D. Ball, Philadelphia, palms and decorative plants; Conard & Jones Co., West Grove, Pa., bulbs and plants; Lovett Co., Little Silver, N. J., fruits and plants; Walter A. Potter & Co., Providence, R. I., flowering bulbs and garden requisites; Glen St. Mary Nurseries, Glen St. Mary, Fla., nursery stock; Wm. H. Harrison & Sons, Lebanon Springs, N. Y., ornamental trees, shrubs and herbaceous plants; D. S. Grimes & Son, Denver, Colo., seeds of Rocky Mountain conifer and native plants; Peter Henderson & Co., New York, bulbs, plants and seeds; Thos. Meehan & Sons, Germantown, Pa., miscellaneous nursery stock; John A. Clair, Bordentown, N. J., nursery stock; F. R. Pierson Co., Tarrytown, N. Y., bulbs, hardy shrubs, trees, roses; H. G. Faust & Co., Philadelphia, bulbs; Samuel C. Moon, Morrisville, Pa., nursery stock; J. M. Gasser, Cleveland, O., Facts for Flower Buyers; Clucas & Boddington, New York, bulbs; Dammann & Co., Naples, Italy, bulbs; V. Lemoine & Son, Nancy, France, plants, bulbs and seeds; Sunset Seed & Plant Co., San Francisco, Cal., seeds, plants, bulbs, nursery stock; T. V. Munson & Son, Denison, Tex., nursery stock.

Baltimore.

CONTINUOUS RAIN INJURES STOCK.—NO FROST UP TO NOVEMBER 2.—PAPER ON ADIANTUM FARLEYENSE AT NEXT CLUB MEETING.

Two weeks of continuous rain and clouds has not improved the quality of flowers offered, though, no doubt, diminishing quantity has kept the bottom from dropping out of the price list.

A somewhat remarkable thing is that at this writing, November 2, good dahlias, from out doors are tolerably plentiful, no frost having injured the plants yet.

Now that the election is over, it is to be hoped the politically inclined florists and potters will turn their attention to the Gardeners' Club, and abandon the campaign clubs for awhile. Pres. Pentland is going to give us a paper on the cultivation of Adiantum Farleyense at the next meeting, and his experience and success will make it well worth hearing.

Now is a good time to take notes on the effect of a flower show on local trade. There are those among us who claim that a show does no good, and others who think it rather harmful than otherwise. As we have had big shows every fall for a good many years, comparison with a "no show" season was impossible until this year. By all means let us take notes, and make comparisons, and, when we have our show next year, we will have a further chance to verify the conclusions we come to. MACK.

Cincinnati.

The past week has witnessed the worst gluts of the season, affecting everything along the line in cut flowers. Prices of course have taken a great tumble, in fact there is no price to be quoted that would hold good for any length of time. The most popular man of the U. S., President McKinley, was with us on October 30 and 31, but his presence did not affect the trade at large.

The Sixth Street Flower Market has been in a deplorable condition all along and the market florists are compelled to take for plants what they can get. Prices have fallen since last year from 25 to 30%; this applies not alone to cut flowers but to pot plants as well.

Wm. Murphy is on the sick list.

Remember the meeting night November 13, a full attendance is expected.

H. SCHWARZ.

NEW BEDFORD, MASS.—Frank Buffinton has moved into a new and spacious store at 42 North Main street.

CHESTER, PA.—David Wilson formerly with T. Delahunt, has gone into business at Fifteenth street and Edgmont avenue.

Earth Worms.

How can I get earth worms (such as used in fishing) out of the soil in pots? The soil in which my palms are potted holds many of them. O. O.

Texas.

Earth worms may be driven out of the soil by watering the plants occasionally with clear lime water or weak tobacco water, and a weak solution of carbonate of ammonia has also been strongly recommended for this purpose.

W. H. TAPLIN.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—By young man, 4 years' experience, sober, not afraid to work. ARTIE FLINT, 317 Fitzhugh St., Saginaw, E. S., Mich.

SITUATION WANTED—By practical florist, single; good grower of cut flowers, plants, etc; abstainer. GEO. SPENCER, 2 No. 1st St., W. Knoxville, Tenn.

SITUATION WANTED—By a practical florist in all branches of the business. Extensively acquainted with the trade. J. E. B. care American Florist.

SITUATION WANTED—By young man; thoroughly understands the growing of roses and all kinds of cut flowers. F. KUYLER, 262 Bowery, New York City.

SITUATION WANTED—By a good all round man in greenhouse work; 10 years' experience; single, age 28, sober and reliable. The very best references. Address F. A. P., care American Florist.

SITUATION WANTED—By thoroughly capable all round florist and gardener, private or commercial place; English, 36, single, strictly temperate; A1 references. Address H. Y., Box 834, Knoxville, Tenn.

SITUATION WANTED—Private or commercial; have been running present place as both for last 8 years; 6000 feet of glass, etc. Life experience. Age 40; married. Address JOHN MCMILLAN, St. Albans, Vt.

SITUATION WANTED—By gardener and florist, German; good rose, cut flower and general greenhouse stock-grower with good references; competent to take charge of a small place. Address R. SPRAUL, Hotel 20th & Market, St. Louis, Mo.

SITUATION WANTED—At once. Commercial or private, by German florist, married, no family; 17 years experience in all branches. First-class designer, decorator and landscape gardener. Wife being up-to-date in designing could make herself useful in store. Strictly sober and honest. Good references. West preferred. State wages. M P, care Am. Florist.

WANTED—An experienced fireman, sober and thoroughly reliable. Address PROBST BROS. FLORAL CO., Kansas City, Mo.

WANTED—Six plantsmen for palm and fern departments. Also two packers. State last employer. ROSE HILL NURSERIES, New Rochelle, N. Y.

WANTED—On a commercial place of about 25,000 square feet of glass; a good all round man who is capable of growing first-class cut flowers and plants; must be a good worker, and capable of taking charge. Wages $35.00 a month with board and room. Good references required. CHRIST HANSEN, St. Paul, Minn.

FOR SALE—In Warren, R. I., 5 greenhouses, nice 6-room cottage, barn, sheds, shops, etc.; about 10 acres of good land; young orchard, shade trees and grapevines. Greenhouses and cottage heated with hot water. Windmill supplies water over the premises. Can be bought on easy terms. Apply to O. H. NYE, Warren, R. I.

BOILERS FOR SALE

Two No. 3, Style C, GURNEY HOT WATER DOUBLE CROWN BOILERS, complete. In use five seasons. Were heating 30,000 square feet of glass for palm growing. Offering for sale because we are increasing our capacity. These boilers cost $450.00 each. We offer for $200.00 each, f. o. b., Riverton, N. J.

HENRY A. DREER, 714 Chestnut Street, Phila., Pa.

FOR SALE.

Greenhouses in one of the best cities in Wisconsin. A good investment and a money maker for a hustler. Owner must retire on account of poor health.

For particulars write ELLIS & POLLWORTH, Milwaukee, Wis.

Always mention the American Florist when writing to advertisers.

A White Gloxinia.

A subscriber sends a flower of what was once a white gloxinia but it looked when it arrived here more like the little finger of an old and soiled kid glove. He inqulres if they are not a rarity and mentlons that only one firm of his acquaintance advertises the white variety, Sutton & Son, of Reading, England.

The white may not be as common as the purples and pinks of various shades but they are by no means very rare and among a few hundred bulbs which I purchase every spring there is always a few dozen that will have pure white flowers.

WM. SCOTT.

ANDOVER, MASS.—The officers of the Florists' and Gardeners' Club of Andover are as follows: J. H. Playdon, president; J. D. Fairweather, secretary and treasurer; Geo. Piddington and Geo. L. Bursley, executive committee.

TOLEDO, O.—Mrs. E. Suder's establishment was damaged by fire for the third time on the night of October 29, barn and shed containing baskets and florists' supplies, adjoining greenhouses being burned. Of the greenhouse stock that in one palm house only was injured. These fires are believed to be the work of incendiaries.

Marie Louise

VIOLETS.

Extra large field clumps, full of buds, perfectly healthy, **$4.00 per 100.**

CANNAS AUSTRIA.

Good, plump eyes, at **$3.00 per 100.** Other leading vars. at low rates.

W. W. COLES,
KOKOMO, IND.

August Rölker & Sons
WHOLESALE DEALERS IN
SUNDRIES
For Florists and Horticulturists.

New Fall List mailed free to all applicants in the trade.
52 Dey Street, NEW YORK.

FOR SALE.

Palms, all kinds and sizes **Ficus, Araucarias, Cyclamen, Primroses** and **Azalea indica** in any quantity; prices very low; quality A No. 1.
Eucharis amazonica, $2.00 per 100.
JOHN BADER, Troy Hill, Allegheny City, Pa.
Mention American Florist.

For MILDEW on ROSES
CARNATION RUST, FRUITS AND VEGETABLES,
USE FOSTITE; 5 lbs. 50 cts.; 25 lbs. $2.00.
C. H. JOOSTEN, Importer of Bulbs, Plants, Seeds, 193 Greenwich St., NEW YORK.

FAXON'S "WHITE HOUSE" PANSIES.
The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.
In Trade Packets at $1.00 each.
M. B. FAXON,
Lock Box 1528. BOSTON, MASS.
Correspondence solicited.

We still have a Good Assortment
—OF—
AZALEAS
FANCY STOCK.
ONLY CHOICEST VARIETIES.

	Doz.	100
1st size, 14 to 16 inch heads	$9.50	$75.00
2nd size, 12 to 14 "	7.75	60.00
3rd size, 10 to 12 "	6.50	50.00

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.

BULBS.
TO CLOSE OUT WE MAKE THE FOLLOWING LOW OFFERS:

	100	1000
ROMAN HYACINTHS, White, 12-14 ctms.		$20.00
Dark Rosy, 12-14 ctms.		10.00
LILIUM LONGIFLORUM, Japan, 6-8 inch.		25.00
7-9 inch.		30.00
8 10 inch.		45.00
CALLAS, 1¼ to 1⅝ inch.	$4.00	
1⅝ to 1¾ inch.	6.00	
2 to 2½ inch.	9.00	
FREESIA REFRACTA ALBA, Select		5.00

250 at 1000 rate.

We also have a moderate stock of all other FALL BULBS.

BARGAINS IN BULBS

	Per 1000
Roman Hyacinths, 11-12 ctm.	$12.00
" " 12-15 ctm.	17.50
Single Dutch Bedding Hyacinths, in sept. colors.	20.00
" " Forcing " "	23.00
" " Named " in sorts, 2nd size	30.00
" " " " 1st size,	45.00
" Tulip Jacht van Delft	4.50
" " La Reine	4.00
" " Cardinal's Hat	4.00
" " Duchess de Parma	4.00
Lilium Longiflorum, Japan, 6-8 inch.	18.00
" " " 7-9 inch.	35.00
Narcissus Trumpet Von Sion	9.00
" " Princeps	7.00
" Double Von Sion, 2nd size	10.00
Single Tulips, finest mixed.	3.50
Double Tulips, finest mixed.	4.50
A1 Lily of the Valley, out of cold storage	10.00

CASH WITH ORDER.

HULSEBOSCH BROS.
ENGLEWOOD, N. J.

$1.00 COLLECTION. $1.00.

2 New Velvet Plants, blz seller	$ .15
1 Old Man Cactus, from 4-inch	.15
5 Begonias, newest flowering, 3-inch	.20
10 Newest Coleus, named, 2½-inch	.30
20 Newest Geraniums, named 2½-inch	.60
100 Giant Flowering Pansy Plants	.50
$1.00 ALL FOR $1.00.	$1.90

— ALSO —

	Per 100	Per 1000
Pansy Plants, seedlings, strong	$ .50	$3.00
" transplanted, bushy	.75	4.00
Geraniums, named, newest, 2½-inch	2 00	15.00
" unnamed, " 2½-inch	1 25	10.00
Begonias, Flowering fine, 3-inch	2.00	
New Velvet Plant, 3-inch, 50c per doz.		
Cut Carnations, all colors	1.00	9.00

WILL GROW ON ORDERS:
Verbenas, Coleus, Salvias, Petunias, at rate of . . 4 00
Carnation Cuttings, new and old varieties, for $5 00 per 1000 up, according to newest varieties.

THE MORRIS FLORAL CO.,
Phone 52 Morris Exchange. MORRIS, ILL.

SPECIALTIES
IN BEST VARIETIES.
ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.

Fern Pteris Tremula
NOW READY.

In excellent condition, from 2¼-inch pots, 10 to 12 inches high, ready to shift to 4s, $3.50 per 100; $30.00 per 1000.

R. WITTERSTAETTER, Sedamsville, O.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

PALM Seed. FRESH ON HAND
ALL SEASONABLE VARIETIES.
Prices for select seeds quoted on application.
J. L. SCHILLER,
404 E. 34th St., NEW YORK CITY.
Mention American Florist.

BURPEE'S SEEDS PHILADELPHIA.
Wholesale Price List for Florists and Market Gardeners.

W. and D's. CELEBRATED "Sure Crop" Mushroom Spawn. SPECIAL quotations to LARGE buyers.
ALL KINDS OF BULBS—
Lilium Harrisii, Freesias, Roman Hyacinths, Narcissus, etc., etc. Special prices on application.
WEEBER & DON, Seed Merchants and Growers,
114 Chambers St., NEW YORK CITY.
Mention American Florist.

CLUCAS & BODDINGTON CO.
Importers and Exporters of
Seeds, Bulbs & Plants,
501 TO 503 W. 13TH ST.,
NEW YORK CITY.
Send for quotations on all Florists' Bulb Stock.

TRY **DREER'S GARDEN SEEDS,**
Plants, Bulbs & Requisites.
They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.
HENRY A. DREER,
Philadelphia, Pa.
Mention American Florist.

GLORY OF THE PACIFIC.
The best early pink CHRYSANTHEMUM, color a beautiful "Daybreak" pink. The first blooms cut October 11th brought $2.00 a dozen wholesale in the Philadelphia market.
Strong plants from bench $1 50 per doz.; $10 per 100.
JOHN WELSH YOUNG,
For two weeks only. GERMANTOWN, PA.

Worcester, Mass.

TRADE LESS SATISFACTORY.— WARM WEATHER PROBABLY RESPONSIBLE.—NO ALARMING SURPLUS YET.—CALL FOR 'MUMS NOT SO STRONG AS HERETOFORE.

The condition of trade is not as satisfactory as reported last week, whether the continued warm weather is wholly responsible for this falling off in business is hard to say, but nothing else is noticeable to cause a stagnation in trade just at this time. As yet we have accumulated no alarming surplus but at the rate stuff is coming in now it will take but a comparatively short time to demoralize the business, and make the condition of things as alarming as those reported from the larger trade centers.

Practically speaking there has been no increase in the quantity of stuff grown in this vicinity this season, a little more of one thing and a little less of some other, so if the threatened surplus does strike it cannot be blamed to anything but poor business conditions, for the quality of flowers and plants is fully up to former seasons.

It is true beyond a doubt, in my mind that the popularity of the gorgeous Queen of Autumn is not as strong as it has been heretofore, though perhaps it may be a little early to make this certain, yet everything points that way, notwithstanding that the earlier varieties sold well.

Just what to grow for next year is somewhat of a poser just now, but it is very certain that there is only a very limited sale for the $4 to $8 a dozen blooms in this market. Carnations and roses are good and of course improving all the time; violets are a shade better in quality and are moving as well as anything. Cold weather is what we are looking forward to, to quicken business activity. A. H. L.

Cleveland.

Preparations for the chrysanthemum show are proceeding satisfactorily in every way. Arrangements that are believed to be unusually advantageous have been made for advertising the event through experts and the work has already been begun in some of the city papers. Lithographs have also been distributed and other matters are moving.

The weather, which has been monotonously warm and fine this fall, has altered for the worse; we are now in the middle of the second day of steady drizzle with no immediate prospect of cessation. Perhaps it may tend to diminish the supply of flowers to more easily handled proportions.

Bowling club held their regular session Monday night and spent a pleasant evening. Four new members were added to the list. The bowling club is all right. A.

BEGONIAS Pres. Carnot and M. De Lesseps, fine plants, from 2½-inch pots, 2c. Argentea Guttata, from 2-in. pots, 1c. Rubra, fine plants from 2½-in. pots, 4c. Pres. Carnot, 3-inch pots, elegant plants for stock, 4c.

GERANIUMS White Swan and Bruant, from 2-inch pots, $1.00 per 100.

ARTILLERY PLANT for Baskets and Vases, 2-inch pots, 2c.

JASAMINE GRACILLIMUM, from 3½-inch pots, 2c.

FAIRVIEW FLORAL CO., Beetty, O.

Rooted Cuttings of the

New Geranium Mme. BRUANT

Ready Now.

I am able to furnish this wonderful and distinct variety now by the hundred and thousand. No florist can be without this variety, being certainly the finest plant novelty of the year. Order at once and get the first grown crop, 75 cts. per dozen, by mail; $3.00 per 100, by express; $25.00 per 1000.

FRED. SCHNEIDER, 751 Crawford Rd., Cleveland, O.

HERR'S PANSIES

ARE THE BEST.

Fine plants, 75c per 100; $5.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

CARNATIONS.

My experiences with the old and the new will be ready Nov. 15, and mailed for the asking.

CARNATIONS

After the early Chrysanthemums are thrown out many florists plant Carnations. We have a few thousand plants heeled in in the cold house suitable for this purpose. They are first-class plants, the last of 94,000 set out in the spring.

800 Grace Wilder, 200 Scotts,
2000 Silver Spray, 600 Eriesconrt,
1200 Albertini, 300 Rosalind,
800 Dean Hole, 100 Armazindy,
1500 Portia, 100 Mrs. Carnegie.

$4.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

CARNATIONS.

FIELD GROWN PLANTS.

SILVER SPRAY,
PORTIA,
NANCY HANKS.
DELLA FOX,
ROSE QUEEN,

$3.00 per 100; $25.00 per 1000.

REINBERG BROS.,

51 Wabash Avenue, CHICAGO.

FIELD-GROWN

CARNATIONS

	PER 100
STANDARD VARIETIES,	$5.00
MRS. C. H. DUHME,	10.00
MRS. GEO. M. BRADT,	12.50

F. DORNER & SONS CO.,

LA FAYETTE, IND.

H. WEBER & SONS,

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H. P. ROSES for forcing.

Clematis, Rhododendrons, Magnolias, Hardy Azaleas, Tree Roses, Etc.

L. C. BOBBINK, Rutherford, N. J.

Branch Horticultural Co., Boskoop, Holland.

CHINESE PRIMROSES.

Per 100

Strong and well grown. Last call $2.50
PANSY PLANTS . . . . . $3.50 per 1000; .60
BEGONIAS 3.00

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, O.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.



20,000 CARNATIONS

Fine, healthy, bushy, field-grown. No flowers or buds on them.

WELL GROWN PLANTS CHEAP FOR CASH.

Alaska,	Silver Spray,	Hector.
Portia,	Eldorado,	Tidal Wave,
Meteor,	Mrs. Fisher,	Wm. Scott,
T. Cartledge,	A. H. Lonsdale,	Minnie Cook,
Helen Keller,	Puritan,	L. L. Lamborn.

1st size, cash with order..... $4.00 per 100
2nd " " ..... 2.50 per 100
Della Fox, Emma Wocher, Yellow Jacket.
1st size, cash with order.... .....$6.00 per 100

I study to please every patron and pack carefully in light boxes. I guarantee entire satisfaction and big value for the money. We have three Express companies, Adams, American and United States.

KIND WORDS NEVER DIE.

GREENSBORO, N. C., Nov. 1, '97.

MR. CHAS. T. SIEBERT, Dear Sir:—The carnations you sent me arrived on time. I return thanks for the extras, also for your promptness in sending the order. I am sorry I did not order more when I was about it.
Respectfully JAS. DUFFY.

MONTGOMERY CITY, Mo., Oct. 28, '97.

CHAS. T. SIEBERT, Dear Sir:—The carnations arrived today in fine condition. I am well pleased with them. Thanks for extras.
Yours truly, H. WILLI.

CHAS. T. SIEBERT, Sta. B, Pittsburg, Pa.

MORELLO

Field-grown, at $1.50 per dozen; $10.00 per hundred.

HOPP & LEMKE, Paul P. O., Mich.

The Cottage Gardens,

QUEENS, L. I.

SPECIALTIES IN

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Send for our Price List. . . . . .

CARNATIONS

Free from Disease. Field-grown.

ROSE QUEEN, SCOTT, IVORY, PIERSON.

Write for prices.

VIOLETS. 1,000 LADY CAMPBELL, field-grown, at a bargain.

CRABB & HUNTER, Grand Rapids, Mich.

Mention American Florist.

E. G. HILL & CO.

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... RICHMOND, IND...

Down They Go To Close Out.

MARIE LOUISE VIOLETS.

Field grown, entirely free from disease; not very large plants, but in bud and bloom, $2.50 per 100; $20.00 per 1000

SMILAX—2½-inch, fine, once cut back, $1.25 per 100; $10.00 per 1000

Cash or good references please. Samples 10c. Write for special price on large lots.

R. KILBOURN, CLINTON, N. Y.

STOCKY, FIELD-GROWN **CARNATIONS.**

New and standard vars., $5.00 per 100 and upward.

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ELLIS & POLLWORTH,
W. H. ELLIS · C. C. POLLWORTH.

PALMS.
FERNS.
Send for List.

HOLLY AND BOUQUET GREEN
FOR CHRISTMAS.
Order NOW.

BULBS { LILIUM AURATUM, " RUBRUM, " ALBUM, } Ready Now.
Romans, Dutch Hyacinths, Tulips, etc.

CUT FLOWERS
'MUMS,
ROSES,
CARNATIONS,
VIOLETS,
VALLEY,
&C., &C.
FINE STOCK.
We know how to pack.
CONSIGNMENTS OF FIRST-CLASS STOCK WANTED.

GREENHOUSES FOR SALE. We have the following places for sale—BARGAINS, all of them. One place as follows: Amount of ground 255 feet front, 222 feet deep, containing Rose house 100x24 ft.; Carnation house 82x20 ft.; 'Mum house or show house in spring 50x18 ft.; Violet frame 60x6; Office 15x18; Boiler shed and potting room 17x50; all connected. Barn 26x20. Situated within five minutes' walk from Depot and Opera House in city of 18,000 in State of Indiana. We also have for sale a place of four houses with 3 acres of land within three blocks of street car line, in a good city State of Iowa. ☞ In addition to above we have Greenhouses for sale in one of the best cities in Wisconsin. Write for particulars if interested.

ELLIS & POLLWORTH, Milwaukee, Wis.
When writing mention American Florist.

JAPANESE NURSERIES,
Importers, Exporters and Growers of PLANTS, BULBS, SEEDS, Etc.
ESPECIALLY
LILY BULBS, CYCAS REVOLUTA, MAPLES, IRIS, TREE PAEONY.
Our stock is the best, at the lowest prices, and we test everything at our experimental garden on Columbia street, Dorchester, Mass.
Wholesale Price List to the trade only.
Branch of YAMANAKA, AMANO & CO.
272 Boylston St., BOSTON, MASS.
Mention American Florist.

PANSIES. 500,000 NOW READY.
THE JENNINGS STRAIN. FIRST-CLASS IN EVERY RESPECT, and the LEADING STRAIN TO DATE.
BUFFALO, N. Y., June 8th, 1897.
MR. E. B. JENNINGS. Dear Sir:—The Pansy Seed supplied by you last August produced the finest lot of flowers I have ever seen. They were uniformly first class. Send me one ounce of your best mixed as soon as ready. Respectfully, WM. SCOTT.
100 by mail 75c; 1000 by express $1; 5000 $3. Seed of the above strains $1 per pkt.; $6 per oz.; $3 per ½ oz.
CARNATIONS—Fine, stocky, field-grown plants, leading sorts, $3.00 per 100.
Cash with order. E. B. JENNINGS,
Lock Box 254. Southport, Conn.
Grower of the finest Pansies.

PANSIES, Strain up to the finest in color and size. Plants excellent stocky field-grown, 60,000. Any quantity, 40c per 100 by express, 60c by mail. Our own best Seed, 1000 for 20c; 1 oz. $4.50.
GERANIUMS, 40 vars; 50,000 Cuttings, best new bedders. Coleus, Begonias, Petunias, Salvias and Verbenas are specialties.
DANIEL K. HERR, Lancaster, Pa.

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To make room, I will sell 1000 Latania Borbonica Palms, ready for 5-inch pots, for $10.00 in 100 lots. Less, 15c. each.
The E. HIPPARD CO.
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PANSIES.
ROEMER'S SUPERB PRIZE PANSIES.
PLANTS, strong and bushy, 65 cts. per 100, by mail.
By express..... $2.00 per 500.
By express..... $4.00 per 1000.
Cash with order.
PETER BROWN, Lancaster, Pa.
Mention American Florist

Pansies Worth Raising.
GOOD PLANTS, $2.50 per 1000, or $1.50 per 500.
LARGE PLANTS, $4.00 per 1000, or $2.50 per 500.
BLOOMING PLANTS, $1.50 per 100.
SEED, as usual. CASH WITH ORDER.
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The LARGEST STOCK west of New York.
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ROBERT CRAIG,
Roses, Palms,
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HARMONY
Is our hobby! Harmony of color, not of sound. Our sample cards are practical and will help you to preserve and beautify your home. Send for them. JOHN LUCAS & CO., Philadelphia, New York and Chicago.
Mention this paper.

Northampton, Mass.

VARIETY OF WEATHER —COLLEGE RECEPTION INCREASES DEMAND FOR FLOWERS. —'MUMS SELL WELL —MEETING OF HORT. SOCIETY.—LECTURE OF PROF. GANONG.

The past fortnight has given a large variety of weather, varying from severe frost to 85° in the shade, compelling the florist to use ice on one day to keep roses for even a few hours, and on the next resorting to firing to keep up a growing temperature.

Business has continued very good, a reception at the college causing a big demand for flowers, and consequently broad smiles on the faces of the fraternity. Chrysanthemums are coming in quite freely and so far have met with ready sales at prices varying from $1 to $3 per dozen.

At the last regular meeting of the Horticultural Society Prof. Ganong, of Smith College, gave a very interesting lecture on the scientific principles underlying gardening operations. The need of protection from injurious parasites and pests, nutrition, air, drainage, warmth, were each taken up and explained in a very clear manner, charts and diagrams being used to illustrate the speaker's remarks. The professor spoke of the improvement of plants as the most important work of the gardener, and explained in concise language the process of cross fertilization and grafting. G. W. THORNILEY.

St. Joseph, Mo.

A visit to the different greenhouse establishments of this city shows well filled houses of choice stock. Wm. Krumm & Son's vegetable department of their range shows up well. D. M. Reichard is pushing a fine lot of carnations, and an immense quantity of self-sown ferns of good sorts are very handy in his special line of floral work.

L. J. Stuppy's stock is looking well. Phillip Heuschell has added two new houses to his range. J. N. Kidd is cutting some fine roses and 'mums; Robinson is the favorite early white. A fine lot of standard 'mums are the show at his place, and a neat clean place shows great credit to his foreman, Mr. E. D. Earlsworth. All report business considerably better than last year. A. M.

New Rochelle, N. Y.

H. A. Siebrecht & Son are putting in new water works at their establishment. They have laid 700 feet of 8-inch pipe and a new Worthington steam pump with a capacity of half a million gallons in twenty-four hours. There is a standpipe one hundred feet high and a tank holding 28,000 gallons of water.

DALLAS, TEXAS.—The Texas Seed and Floral Co. have just completed a new carnation house 20x130, even span, double continuous ventilators on both sides of roof and continuous ventilator on side; roof of the best clear cypress and double strength 16x24 glass, posts set 3½ feet in the ground in cement and gravel. They have also built another violet house 8x130, shed 15x30, and put up another 8 000-gallon tank and a steam pump. This gives them two tanks, steam pump and windmill.' Their roses look well; carnations not dug yet, and only fair, as they have had very dry weather. Chrysanthemums, of which they have about 5,000, are looking fine; they are dwarfer than usual. There will be a flower show held here next week during the state fair and Dallas exposition.

PALMS

FOR EARLY SHIPMENT BEFORE FREEZING WEATHER.

ARECA LUTESCENS, 3-inch pots, 15-18 in., two plants in a pot @ $2.00 doz.; $12.00 per 100.
6-inch pots, 24 inches high, bushy ..... each 75 cts.; $9.00 doz.
7-inch pots, 30-36 inches high, bushy ..... each $2.00; $20.00 "

COCOS WEDDELIANA, 3-inch pots ..... @ $3.00 per dozen

KENTIA BELMOREANA,
3½-in. pots, 12 inches high @ $4.00 doz.
4-inch pots, 15 inches high @ 6.00 "
5-inch pots, 18 inches high @ 9.00 "
6-inch pots, 24 inches high @ 18.00 "
6-inch pots, 30 inches high @ 24.00 "

KENTIA FORSTERIANA,
7-inch pots, 36-40 in. high fine stuff. @ 4.00 each.
5-inch pots, 24 inches high @ $1.50 each.
6-inch pots, 30 inches high @ 2.00 each.
7-inch pots, 3-4 feet high @ 3.00 each.
8-inch pots, 4-5 feet high @ 4.00 each.
8-inch pots, 5-6 feet high @ 6.00 each.

PHOENIX CANARIENSIS, 8-inch pots, 3 feet, bushy plants ..... @ $3.00 each.
10-inch pots, 4 feet, bushy plants ..... @ 4.00 each.

LATANIA BORBONICA,
4-inch, 2 character leaves ..... @ $3.00 doz.
5-inch, 3 character leaves ..... @ 4.00 "
5-inch, 4 character leaves ..... @ 6.00 "
6-inch, 5 character leaves ..... @ 9.00 "
7-inch, 6 character leaves ..... @ 15.00 "
7-inch, 7-8 character leaves, 3 ft. high (leaves somewhat clipped) .... @ 3.00 each.
8-inch, 9-10 character leaves, 5 ft. high (leaves somewhat clipped) .... @ 5.00 each.

MACROZAMIA ELEGANS, 4-inch pots, 8-10 leaves, 15-18 inches high ..... @ $5.00 per dozen

FICUS ELASTICA,
10-12 inches high .... per dozen, $ 4.00.
12-15 inches high .... " 6.00.
20-22 inches high .... " 7.50.
24-30 inches high .... " 10.00.
True, large leaf variety; we have a large stock of cool well grown plants.

ARAUCARIA EXCELSA, 6-inch pots, 15-18 inches high, 4 whorls ..... @ $1.50 each.
ASPIDISTRA VARIEGATA PLANTS, in all sizes ..... @ 10c. per leaf.

GREENHOUSES, WESTERN SPRINGS, ILL. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET. CHICAGO.

DEUTZIA GRACILIS....

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STRONG PLANTS ..... $7.00 per 100
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Anne de Diesbach, General Jacqueminot, Paul Neyron, Magna Charta, and others.

COMMERCIAL NURSERIES. Address W. S. LITTLE & CO., ROCHESTER, N. Y.

CYPERUS ALTERNIFOLIUS.
2½-inch pots ..... 40 cts. per doz.; $2.50 per 100

GREVILLEA ROBUSTA.
2½-inch pots ..... 40 cts. per doz; $2.50 per 100

ASPARAGUS TENUISSIMUS.
3-inch pots ..... 50 cts. per doz.; $3.50 per 100

CALIFORNIA VIOLETS.
Field grown ..... $4.00 per 100

CARNATIONS.
Mapledale (new) ..... $8.00 per 100
Medium sized plants of the following standard varieties, $4.00 per 100: Portia, Wm. Scott, Della Fox, The Stuart, and Tidal Wave.

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BOUGAINVILLEAS.
Beautiful for "cutting" or pot sale.
Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests.
Send for "Comments and Facts."
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JOSEPH HEACOCK,
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EXALTATA BOSTONIENSIS.
A few thousand strong rooted runners at **$2.50 per 100.**
Will make strong plants soon.
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SEND FOR SIZES AND PRICES.
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We make a Specialty of small Ferns for the Fall trade.
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Keap Street Greenhouses, BROOKLYN, N. Y.
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HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
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The Reading Nursery, READING, MASS.
ESTABLISHED 1854.
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SMILAX—Strong 1 year	$1.50 and $2.50
CLEMATIS—Leading kinds for fall	
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CYCLAMEN GIGANTEUM.
3-inch pots ..... $ .75 per doz.; $ 6.00 per 100
3½ inch pots ..... 1 25 per doz.; 10,00 per 100
5-inch pots ..... 2.25 per doz.; 20.00 per 100
Cash with the order please.
JNO. E. DE WALT, Box 82, Carlisle, Pa.

FERNS, MOSS, GALAX, LEUCOTHOE.

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We have leased the premises at 18 Chapman Place, formerly occupied by H. E. Hartford, for the handling and storage of these goods, and will hereafter keep the largest stock in New England.

Holly and Palmettos for the Holidays.

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Long Distance Telephone 1270.

PRIMULA CHINENSIS, 2-inch pots ....$2.50 per 100, $20.00 per 1000

PRIMULA, transplanted seedlings, from flats $1.50 per 100.

FERNS, 3-inch pots.....$5.00 per 100

CARNATIONS. Field grown Lizzie McGowan and Scott. Write for prices.

VIOLETS. Marie Louise, strong field grown. Write for prices.

HYDRANGEA HORTENSIS, rooted cuttings.....$2.00 per 100

SWAINSONA.....$2.00 per 100

ABUTILON Souvenir de Bonn and Golden Fleece...$3.00 per 100

GERANIUMS. Rooted cuttings.... ....$1.50 per 100, $12.00 per 1000

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CANNAS MAIDENS BLUSH, PHILADELPHIA, ALSACE, ITALIA, AUSTRIA.

Fine plants SPIRÆA A. WATERER. LOGAN BERRY TIPS.

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ROSES. Leading varieties. Write for prices.

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Fine clumps, $3.50 per 100.

CHOICE CUT ROSES, $3.00 per 100.

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Hydrangea Pan. Grandiflora

Finest of all hardy shrubs, 1½ feet up, fine bushy plants, at 5c. Lighter plants, nicely branched, at 3c.

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American White, sweet-scented, fine 2 year plants, at 5c. Packing free.

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BOUQUET GREEN. HOLLY.

Evergreen Wreathing, Holly Wreaths, Mistletoe, etc.

The right kind at the right price, and last, but not least, **at the right time.**

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To be issued next week.

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Dover, Me.—B. T. Genthner, one commercial house, 16x30.

Southampton, N. Y.—Wm. F. Holsey, one commercial house.

Newport, R. I.—J. M. Hodgson, range of commercial houses.

Keene, N. H.—Ellis Bros., one commercial house.

Berlin, Conn.—A. A. Welden, one carnation house, 19x200.

Olney, Pa., J. L. Nicholas, two greenhouses, each 10x80.

Cider Hill, Me.—M. C. Moulton, one greenhouse.

Ithaca, N. Y.—Eugene Terry, one conservatory.

Middlebury, Vt.—Edward Hunt, one greenhouse.

Broadalbin, N. Y.—P. Lamb, one conservatory.

Hudson, N. Y.—C. D. Haines, one conservatory.

Brockton, Mass.—H. Blanchard, one conservatory.

Fonda, N. Y.—Commodore Starin, range of conservatories.

Chester, Pa.—David Wilson, one commercial house.

Saxonville, Mass.—Asa Dunn, one commercial house.

Rochester, N. Y.—N. Gauthier, one commercial house, 40x75.

Philadelphia, Pa.—North Cedar Hill Cemetery, one greenhouse.

Blackinton, Mass.—Henry Phelps, one greenhouse, 20x65.

Spencer, Mass.—J. H. Lefavour, two vegetable forcing houses, each 35x200.

Middlebury, Vt.—Edward Hunt, one greenhouse.

Avon, Mass.—Hiram Blanchard, one greenhouse.

No. Woburn, Mass.—I. Peters, one commercial house.

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Sutton, Mass.—L. C. & F. N. Hoyle, one greenhouse.

Wilmington, Del.—J. G. Barta, one greenhouse.

Danielson, Conn., Franklin & Crosby, one greenhouse 50 feet long.

Moravia, N. Y., Jonathan Donald, one greenhouse.

West Abington, Mass., Irving Belcher, one greenhouse.

East Nottingham, Pa., W. A. Walton, one greenhouse 16x66.

MESSRS. Ellwanger & Barry, Rochester, N. Y., were awarded six valuable medals for their display of fruit at the International Horticultural Exposition in Hamburg.

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Send for price list and samples (which will be sent free and we know you will give us your order:

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Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.

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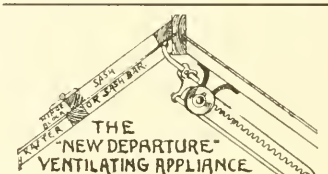
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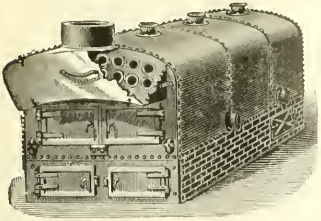
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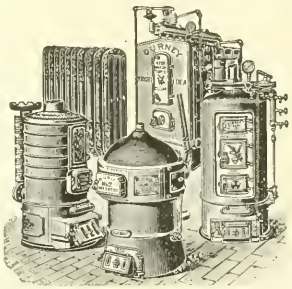
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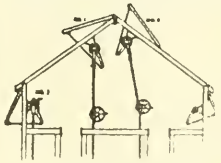
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Nashua, N. H.

On Tuesday evening, October 28, occurred the 50th birthday of Judge C. W. Hoitt, and a few of his friends took the opportunity to call and extend congratulations to him at his residence on Concord street. The party included about fifty of Nashua's most prominent citizens. Gov. G. A. Ramsdell and the members of his staff, City Marshal A. S. Eaton, City Solicitor G. F. Jackson and many members of the bar were among the number.

On behalf of the visitors Gov. Ramsdell presented Judge Hoitt with a beautiful cut glass punch bowl and glasses, and to Mrs. Hoitt a handsome chair. The governor made a very felicitous speech, expressing the high regard in which the Judge is held by his neighbors and friends. Judge Hoitt made an appreciative response and said that the latch string to his residence is always out to his friends, after which the party partook of a most elegant spread. Had the Judge's Boston horticultural friends been apprised of the event in advance, it would have taken another house to hold them.

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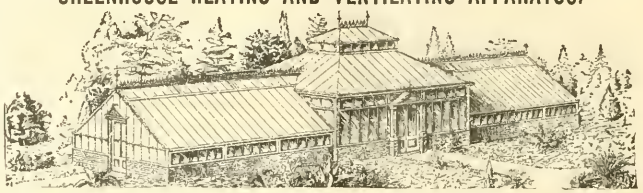
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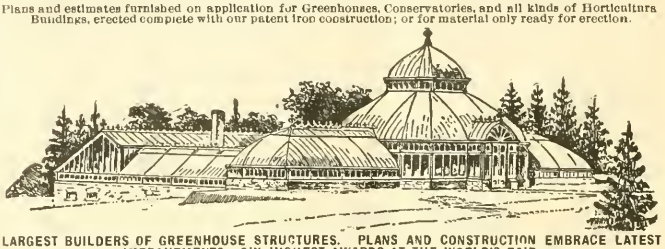
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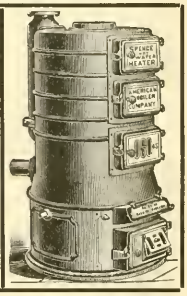
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Vol. XIII. **CHICAGO AND NEW YORK, NOVEMBER 13, 1897.** **No. 493**

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OFFICERS-ELECT (To be installed Jan. 1, 1898)—Wm. F. Gude, Washington, D. C., president; A. Donagbue, Omaha, Neb., vice-president; secretary and treasurer as before.

The fourteenth annual meeting will be held at Omaha, Neb., August, 1898.

The Best Twenty-five Chrysanthemums.

BY ROBT. G. CAHEY.

[*Read before the Florists' Club of Philadelphia, November 2.*]

MR. PRESIDENT AND GENTLEMEN: Having been requested to name "The twenty-five best chrysanthemums, and why they are the best," I feel certain I could do much better if you had omitted the little word "best," but I will name twenty-five that I think will not all be discarded by the most critical of our "chrysanthemum" growers.

Why I think the following twenty-five varieties are good: I have been discarding varieties for years. I have about seventy varieties at present. The ones I name are all well tested varieties and good growers. I have avoided as much as possible all weak necked varieties and very tall growers. Not being familiar with the "best" new varieties, I thought it better to confine myself to the good old tested ones, such as the following:

Mrs. Jerome Jones. A beautiful broad petaled, incurved white. Stem and foliage extra good. An ideal flower for commercial or exhibition purposes. Height, 3½ feet.

Maud Dean. An extra large incurved pink, of great substance. Stem and foliage very good. One of the finest for exhibition. Height, 4 feet.

Mayflower. A grand incurved white. Lower petals reflexed. Habit, stem and foliage good. A grand bloom for exhibition. Height, 4 feet.

Major Bonnaffon. A soft, clear, high built incurved yellow. Form, habit, stem and foliage good. Ideal flower in every respect. Height, 3½ feet.

Viviand-Morel. Extra large reflexed pink. One of the grandest blooms for exhibition. Height, 5 feet.

Miss Georgiana Pitcher. Fine incurved yellow. Stem and foliage very good. A fine variety for all purposes. Height, 4½, feet.

Silver Cloud. A large delicate salmon. Slightly reflexed. Stem and foliage extra good. Height, 5 feet.

Wm. H. Lincoln. A grand golden yellow, with straight, flat spreading petals. Habit, stem and foliage extra good. A grand variety for all purposes. Height, 4 feet.

Autumn Glow. A large, incurved light bronze. Form like Mrs. Jerome Jones. Fine stem and foliage. Height, 5 feet.

Mrs. H. Robinson. A large broad petaled incurved white, of great depth. Foliage good, but I am afraid the flower is too heavy for the stem. A grand variety in every other way, height, 4 feet.

The Queen. A grand double white of great substance. Stem and foliage good. One of the best for commercial or exhibition purposes. Height, 6 feet.



VASE OF MRS. JEROME JONES, NINE FEET IN HEIGHT, AT THE BOSTON SHOW.

Catherine North. Large incurved bronze and yellow. Stem and foliage very good. Fine for exhibition. Height, 4 feet.

Mutual Friend. Extra large reflexed pure white. Stem and foliage good. When well done I consider this hard to beat for all purposes. Height, 5 feet.

Minerva. A fine incurved golden yellow. Stem and foliage very good. One of the best for all purposes. Height, 4 feet.

W. B. Dinsmore. Large golden yellow incurved. Stem and foliage good. Fine for all purposes. Height, 5 feet.

H. W. Rieman. Large exhibition yellow. Of high rounded form. Stem and foliage extra good. An ideal grower. Height 3½ feet

Miss Agnes L. Dalskov or Pink Ivory. A sport from Ivory, with foliage and habit the same, but a beautiful soft pink, a color good for all purposes. Height, 3 feet.

Eugene Dailledouze. Color, deep gold. Of extra size and form. One of the finest yellows for exhibition. If this flower had the habit, stem and foliage of Liberty then I would say of it "par excellence" in yellows. Height, 6 to 7 feet.

I would state the heights given are from present growth. I thought it would be a guide, when planting for cut bloom. As we often spoil good dwarf varieties by their being crowded between tall varieties, I think it would be a great help to us all if all the catalogue firms would state the height after each variety. I think this would save many a good variety from being discarded.

I thought it would not be out of order to give a few hints on the culture for cut blooms. I would advise a raised table six inches deep. If it is only a foot from the ground it will do. This gives a free circulation of air anderneath, which is a great advantage when using stimulants, as you can apply oftener with less danger of souring your soil or giving your plants cold feet. See that your drainage is perfect. I use about five inches of rather stiff soil with a little bone and cow manure added, prepared in the fall and turned two or three times. Plant early in June. Water sparingly till plants are well established. Give plenty of air night and day. Syringe morning and evening, during July and August when weather permits. Stop the use of stimulants when the flower buds begin to show color. I use no shading up till this time but would advise a slight shading from now, as some of the blooms are very near the glass. This fall the shade has been very beneficial.

As I have confined my paper to the older varieties, I would like some member of the club to name to us twenty of the best up to date varieties for all purposes.

Notes on Newer 'Mums.

There was an unusual number of new varieties placed upon the market the past spring both foreign and to the manner born—altogether too many. In these brief notes I will simply name some which are certainly deserving of culture and are varieties of much promise.

Baroness Adolph de Rothschild is a most magnificent white, with a highly built centre and of good contour; habit and foliage fine.

Mlle. Laura Faure promises to be a most valuable addition to the whites on account of its fine build and exquisite form. This variety won first in Paris last year and was justly praised.

Jubilee is a beautiful clear mauve colored



JOHN BARR'S GROUP OF SPECIMEN PLANTS AT THE BOSTON SHOW.

Ivory. I think the purest and best white for all purposes. Height, 3 feet.

Modesto. A grand incurved yellow, with very high, full centre. Foliage extra large. One of the best for exhibition. With me, inclined to be a little weak necked. Height, 5 feet.

Ruth or Marguerite Graham. A pure white, incurved. Fine stem and foliage, while not as large as many of the others, its general get up and good keeping qualities still make it a favorite. Height, 4 feet.

Chas. Davis. Golden bronze reflex. A sport from Viviand-Morel. Stem and foliage good. Height, 4½ feet.

Defender. Fine dark crimson. Slightly reflexed. Stem and foliage good. Height, 3½ feet.

Golden Wedding. A rich golden yellow. Broad long petals and high built centre. One of the grandest yellows when well done. Height, 6 feet.

Liberty. Deep golden yellow of beautiful form. At first a reflexed; when fully developed, a perfect globular incurved. Habit, stem and foliage good. One of the best late yellows for commercial purposes. Height, 3½ feet.

pink. A distinct and handsomely formed flower for which there is considerable promise. The three above named are from the French raiser V. Calvat.

J. H. Woodford is a white of much promise, broad petall[illegible] of grand incurving form. This has all the requisites of a good e[illegible] sort.

Evangeline when w[illegible]e, is a chaste and beautiful white, which would receive a welcome from the commercial growers for it will, undoubtedly, find a ready sale where fine blooms are des[illegible]

Lawn Tennis will make a single stem variety on account of [illegible] habit and fine foliage; color ma[illegible]k.

Mrs. J. Withers might be termed a low Mutual Friend. It has fine foliage, a stiff stem and is of good color; must be well grown.

Mrs. J. J. Glessner is of a pleasing shade of yellow; good massive build and in every way a very desirable variety; good for bench or single stem pot plants.

Dorothy Spaulding will make a fine exhibition sort but must have extra good care in its growing season; a fine pink of great depth of bloom.

Duchess of Fife, an English variety, has considerable Chinese blood in its veins



VIEW IN THE UPPER HALL AT THE BOSTON SHOW.

and builds up into a fine, massive incurved flower, which makes it a very valuable variety for exhibition purposes.

Sundew is chrome yellow in color, with broad incurving petals. Flower of great depth, and when the stock gets into good vigorous health we predict quite a future for this variety.

Golden Trophy is one of the money-making commercial varieties; comes about October 15; color rich golden yellow; needs no staking; foliage right up to the flower.

Geo. S. Kalb is a fine early variety, color pure white and perfects every flower, comes in from 10th to 15th of October. We commend this variety for commercial purposes.

Mrs. R. D. Douglass was heralded as a rival to Bonnaffon which it much resembles. This variety is well worth further trial. It is of good color, builds up well and has good commercial qualities.

Other of the new introductions are quite promising; many are not as yet finished so it would be out of place to either judge or pre-judge them. The prospect for new varieties for 1898 is somwhat uncertain. Few varieties thus far have run the gauntlet of the committees in the several cities. This is as it should be, and no matter the disappointment to the grower, or raisers of new varieties let us have closer scrutiny and a less number of varieties which are new in name only. We think the several committees should be commended for their guarded carefulness, and not condemned as some are inclined to do. E. G. HILL.

Chrysanthemum Notes

Judging by the conversation heard, the Quaker City committee on awards of certificates, acting under the auspices of the Chrysanthemum Society of America, had a few pleasant tasks to perform on Saturday last.

The Pennsylvania, a sport from the celebrated "Philadelphia," was entered, and ought to have scored high, as nothing in sight—in the writer's opinion—equals it in form, whether viewed from a shipping and selling standpoint, or for exhibition purposes. The petals or florets, or floret-petals, or petal-florets—which is correct?—are the very embodiment of grace and symmetry. Had this flower with its charming formality, the foliage of a Mrs. Jerome Jones, which gives it its constitution, and the petalage of say Maud Dean, it would live and be grown for its great beauty for many years to come. Personally, I always liked the coloring of the Philadelphia, it is so distinct, yet quiet. Others, I know, have found fault with the older variety on account of its naturally quiet color. This new comer will satisfy those who will have none others than decided colors. Pennsylvania is a delicate, yet pronounced shade of yellow, and certainly shows up well either as seen growing or on the exhibition table. Mr. Hugh Graham is to be congratulated on his good fortune in securing so valuable a novelty. Others have had sports from the Philadelphia, but it remained for Mr. Graham to hold on to it until it was "fixed."

Robert G. Carey had a seedling for examination, the Alice F. Carey. It is a reflexed Japanese as to type, and light pink in color, and the bloom is very full of its long narrow florets—the scientific writers call them—and according to Mr. Carey's account, it is a dwarf sturdy grower being only 3½ feet in height. It has strong wiry stems and it should prove to be a good shipper as a cut flower and a dwarf compact grower as a pot plant.

The imported Frank Hardy created a favorable impression. It may be termed immense in size, and its other good qualities make it one of the stars of the season. It has broad, incurving, creamy white florets, and it seems as though it would be great for either exhibition or commercial purposes. It was exhibited by Mr. A. Herrington, Madison, N. J.

Miss Gladys Vanderbilt was exhibited by Mr. John N. May, and a beauty it is. Creamy white in color of the Japanese type, with narrow petals. It ought to be good for either cut flower or exhibition purposes.

Mr. May took a run over to the City of Fraternal Affection in the early part of the week, and gave a glowing account of of another new importation, Mrs. H. Weeks. He declares it to be the best variety in the chrysanthemum line he has ever seen. He describes it as being a very much improved Mrs. Alpheus Hardy, possessing all the good qualities of that, at one time notable, and with none of its bad ones. It must be a dandy indeed.

In casual conversation about the name of Pennsylvania for a chrysanthemum, most people's minds, especially those

more or less sportively inclined, are prone to imagine a variety half red, the other half blue which are the colors of the football team of the University of Pennsylvania, and which have been carried to victory so many times in recent years on the gridiron. Someone suggested the name of Wm. Penn as being less likly to confuse people, whereupon Thos. Cartledge declased that he had known a variety by that name fifty years ago. It was of the Chin se incurving type and pink in color.

examined. Mr. Graham, in no unmistakable tones, stated that he thought it very queer that he had received a report from all the other committees before which Pennsylvania had been placed for examination, and yet could not get it from the Philadelphia committee. Mr. Graham's manners betokened those of a person who had granted a great privilege to the committee in bringing the variety before them and so he did, but that is not the only consideration.

ited by John N. May, Summit, N. J. Ref. Jap. Creamy white, scored commercial scale 92, exhibition scale 89. Pennsylvania, exhibited by Hugh Graham, Philadelphia, Pa. Inc. Jap. Yellow, scored commercial scale 91, exhibition scale 89.

CINCINNATI.—No. 57. Exhibited by N. Smith & Son, Adrian, Mich. Jap. Straw yellow, shading to white, scored commercial scale 73. Pennsylvania, exhibited by Hugh Graham, Philadelphia, Pa. Inc. Jap. Light yellow, scored commercial scale 87.



SOME BUSH PLANTS AND STANDARDS AT THE CHICAGO SHOW

one would naturally come to the conclusion that it must have originated even so long as a half century ago somewhere within the confines of Pennsylvania.

PHIL. A. DELPHIA.

As to Some of the Duties of the Committees Acting for the Chrysanthemum Society of America.

At the annual meeting of the Chrysanthemum Society of America held at Providence last August, it was on motion of G. L. Grant ordered that information concerning awarding of certificates be published in the trade papers, only through the secretary and that the judges be instructed not to give out the number of points scored by any variety examined by them. That seems to be quite plain and easily understood, and no doubt some good reasons existed for its introduction and adoption. My impression is that it passed without dissenting voice or vote.

To-day, Tuesday, I was called over the 'phone by Mr. Graham to give him the number of points scored last Saturday by his Pennsylvania. I could not do so because I had mailed the results of the deliberations by the committe direct to Secretary Elmer D. Smith, Adrian, Mich., and had not kept a memorandum of the points scored of any of the varieties

The resolution as above reported would seem to preclude any committee from giving anything more than a general idea as to how a variety fared at the hands of the committee, but according to Mr. Graham, he received detailed reports from New York, Chicago, and Cincinnati, to which I think he *may* be entitled because the more effectively a variety is advertised the more the owner thereof ought to be able to sell of it. One little matter, however, that Mr. Graham should bear in mind is that there may be a possibility that any and all of the members of the various committees may on certain occasions put themselves to some inconvenience to examine novelties for the benefit of the trade and public at large, and especially for those possessing meritorious novelties.

EDWIN LONSDALE.

Work of the Committees.

At the meeting on Nov, 6 seedlings were passed upon as follows:

PHILADELPHIA.—Frank Hardy, exhibited by A. Herrington, Madison, N. J. Inc. Jap. Creamy white, scored commercial scale 89, exhibition scale 88. Alice F. Carey, exhibited by Rob't G. Carey, Chestnut Hill, Pa. Ref. Jap. Light pink, scored commercial scale 78, exhibition scale 87. Miss Gladys Vanderbilt, exhib-

CHICAGO.—Snow Queen, exhibited by Fred Dorner & Sons Co., Lafayette, Ind. Nevius. White, scored commercial scale 85.

THE EXHIBITIONS.

St. Louis.

The seventh annual crysanthemum exhibition of the St. Louis Florist Club opened in the Public School Library Building at the corner of 9th and Locust streets. Promptly at 7 p. m. Tuesday, Nov. 9, the doors were opened to the public, the executive committee having completed their work. A better place could not have been found in which to hold a flower show.

The two floors were decorated with evergreen festooning. The twelve large columns on each floor were also handsomely decorated, and around each column on the lower floor were placed the chrysanthemum plants grown to standard, and the arrangements of the different classes and varieties was exceedingly artistic. For the past week the committee attended to every detail, and the exhibit was wonderfully well arranged; their associates have every reason to be proud of their success. The lower (ground floor)



Mayflower.

FIRST PRIZE VASE OF 40 WHITE AT CHICAGO.

hall was devoted to plants and the upper floor was given up to cut blooms of chrysanthemums, roses and carnations, also all single specimen chrysanthemum plants.

The orchestra was staged close to the staircase, so that the strains of music could be heard upstairs The orchestra is under the leadership of Prof. Guido Vogel, leader of the Olympic Theatre orchestra.

The display for the first day was 13 sections of cut chrysanthemums, in which there were 53 entries; 7 sections of cut roses, 40 entries; 5 sections of cut carnations, 15 entries; 2 sections of miscellaneous, 6 entries; all chrysanthemum plants and 21 sections of the Shaw prizes.

There were 73 entries for the Shaw prizes for the following plants: Collection of palms, 25 named begonias, 12 kinds of named ferns, largest collection of foliage plants, 25 blooming house plants, 12 named geraniums, 6 draceænas, 12 begonias, 6 named orchids, 6 bouvardias in bloom, 6 cyclamens, specimen of Areca lutescens, specimen Howea Belmoreana, specimen of Howea Forsteriana, specimen of Livistona chinensis, specimen of Pandanus utilis, specimen of decorative plant other than the above, largest collection of hardy chrysanthemums, best 6 species of evergreen shrubs for lawns. A full report will appear in the next issue of the AMERICAN FLORIST, giving all the names of those who captured the prizes.

J. J. B.



Major Bonnaffon.

FIRST PRIZE VASE OF 40 YELLOW AT CHICAGO.



Mrs. S. T. Murdoch.

FIRST PRIZE VASE OF 40 PINK AT CHICAGO.

Germantown, Pa.

The annual fruit and flower show of the Germantown Horticultural Society has become a matter of history. Its record is a good one—a little larger, decidedly better in quality generally speaking and far and away ahead in popularity, of its predecessors. The committee may, on the whole, feel encouraged at the result of their efforts, though there is great opportunity for future improvement.

The features of the show were the really magnificent collection of foliage plants. The cut flowers, especially the roses, were remarkably good for the time of year. The Beauties attracted the most attention; there were five fine vases, from John Burton, John Curwen, Jr., Joseph Heacock, Marmaduke Tilden and J. W. Young. The chrysanthemums in pots were disappointing in point of quantity; this has been more and more noticeable of recent years. Are they unsatisfactory to the private gardeners? Still there were some good plants, but the strength of the 'mums lay in the vases of cut flowers which Mr. Cartledge pronounced hard to beat. The vase attracting the most attention was Hugh Graham's new sport, a yellow from Philadelphia. "Pennsylvania," it is named, identical with the older variety excepting the color, which is a beautiful yellow, an improvement it is thought.

The class for seedling carnations brought out a very fine white from John Burton (Mr. Burton's exhibit was not for competition), a pretty pink from Joseph Heacock, a deep carmine from Stephen Mortensen, which is a cross between Meteor and Portia, well worth further trial, and William Swayne's "Empress," which captured the blue ribbon.

The display of crotons and ferns was excellent, there being four competitors in each class. The music added greatly to the enjoyment of the visitors. Three young ladies judged the decorations, violets and school children's plants. The

other classes were judged by Theo. Cartledge, Chester Davis and Wm. K. Harris and it is needless to add that the work was well done. Special praise is due Wm. Berger for his tasteful decoration.

In the chrysanthemum plant classes John F. Sibson, gardener to Thos. McKean, took three first prizes; Matthew McCleary, gardener to A. H. Mason, one; Frank Smith, one; Matthew Bracken, gardener to H. L. Townsend, one; Henry Dougherty, gardener to Stephen Green, one. For the best seedling not yet disseminated first went to Henry Diehl, gardener to Mrs. E. T. Steel.

In chrysanthemum cut blooms two firsts went to John Sibson, one to Herbert Cliffe, one to Marmaduke Tilden of Madison, N. J., two to Albert Woltemate, one to John Welsh Young.

In foliage plants John Welsh Young, Albert Waltemate, John F. Sibson, Edwin Lonsdale and Michael Sammon, gardener to Mrs. J. M. Shoemaker, each won a first. A special went to Robt. Craig for crotons.

Albert Woltemate won first for display of orchids and John Welsh Young was first on display of foliage and flowering plants arranged for effect.

so many that were single stemmed, the public taking better to fine bush plants. Years ago as high as 900 people would attend these sales but now only about 300 to 400 come in to see the fun.

To sum up in general the past exhibition, it was first-class in every particular, and was well advertised, the newspapers giving us their best reporters and good spaces. The editors were well taken care of with flowers; the school teachers were admitted free on the opening night, the boom of Gen. Harrison's opening speech. Low railroad fares and all other means were employed to invite the public. The weather, by the way, was finer than it ever has been at any show and still the attendance was ridiculously small, and consequently the receipts will not quite cover expenses and premiums, in spite of financial aid from the state and many large special premiums. Are the people tired of flower shows? Could we get more people to attend by making the admission 10 cents or free altogether and have a general sale? There must be some means employed to get the public to attend if any more shows are held.

Among the principal exhibits may be mentioned the new rose Mrs. Robert Garrett, exhibited by H Weber & Son, Oakland, Md. It is a beautiful hybrid tea, Testout style, only more full, and seems desirable. This firm also showed some of the finest carnations seen here, especially Triumph.

The only seedling chrysanthemum certificated was the Pennsylvania, a fine large pure yellow, same shape as Philadelphia, shown by H. Graham, Philadelphia.

F. H. DeWitt & Co., Wooster, O., showed seedling carnation Thomas Laird, a deep pink, very large but somewhat coarse. Conspicuous among the carnations shown were the following varieties: Triumph, Hector, Scott, Snow Queen, Armazindy, Uncle Sam, Buttercup, Jubilee, Portia, Daybreak, Storm King, Pratt, Tidal Wave, Flora Hill, Eldorado.

In the rose exhibits following were shown, very well finished: Beauties, Meteors, Brides, Maids, Cusins, Perles, Sunsets, Kaiserins, Testouts, La France, Morgans and Carnots all very fine.

In chrysanthemum cut blooms the following showed to best advantage.

Nathan Smith & Sons' collection: Mrs. H. Robinson, Charles Davis, Col. W. B. Smith, Lady Byron, Mrs. Geo. Morgan, Lady Playfair, Australian Gold, Mrs. J. J. Glessner, The Queen, Georgienne Bramhall, Harry Hurrell.

H. W. Rieman's collection: Mrs. H. Robinson, Modesto, Harry Hurrell, Mrs. Egan, Viviand-Morel, Queen, Lucilla, Lady Playfair, Mayflower.

E. G. Hill & Co.'s collection: Madam Carnot, Modesto, Mrs. Peabody, The Barrington, Golden Harvest, Gold Standard, Roger Chezelles, Australian Gold, La Garonne, H. Weekes, and a fine collection of pompons.

Bertermann's collection: Major Bonnaffon, The Queen, Mrs. Perrin, Nivens.

Theo. Bock's collection: Modesto, Bonnaffon, Mayflower, Evangeline, Mrs. Perrin.

Messrs. Vesey's collection: Simpson, Mrs. Robinson, H. L. Sunderbruch, La Garonne, The Queen.

Several specimen blooms of Golden Gate, Mrs. W. C. Egan, Red Warrior, were also excellent. Of the bush plants not much can be mentioned; the following varieties were noted: Fred Walz, Marion Henderson, Geo. W. Childs, Jos. H. White, Minerva, Bonnaffon, Mrs. Perrin, Ivory. Among single stemmed plants the following were prominent: Garden Queen, very good pink; Mrs. W. S. Harmon, The Barrington, Mrs. R. D. Douglass, Golden Wedding, T. B. Morse, H.



SOME OF THE FLOWERS IN THE INTERNATIONAL COMPETITION AT CHICAGO.

In cut roses Joseph Heacock received four first, Marmaduke Tilden one, and Herbert Cliffe one. In carnations C. W. Ward, Queens, N. Y., won two firsts, Wm. Swayne, Kennett Square, Pa., two, Thos. Meehan & Sons one, Stephen Mortensen one. In miscellaneous cut flowers John Welsh Young had one first, John Curwen, Jr., one and Albert Woltemate one.

The society's certificate of merit was awarded to Hugh Graham for the new chrysanthemum, "Pennsylvania;" to William Berger for large and effective display of foliage plants and chrysanthemums; to Herbert Cliffe for mantel decorations; to Matthew Bracken for a standard chrysanthemum, and to the Andorra Nurseries for elaborate and extensive display of evergreens on stairway and in hall of the building, to John Burton for new white carnation. Honorable mention was awarded to Edwin Lonsdale for a collection of Farleyense ferns; to John Welsh Young for exhibit of Boston ferns, and to Miss E. R. Johnson for a basket of Kieffer pears.

Indianapolis.

The Indianapolis show closed with the usual auction Saturday morning. The plants did not move as rapidly as in former years, very likely because there were

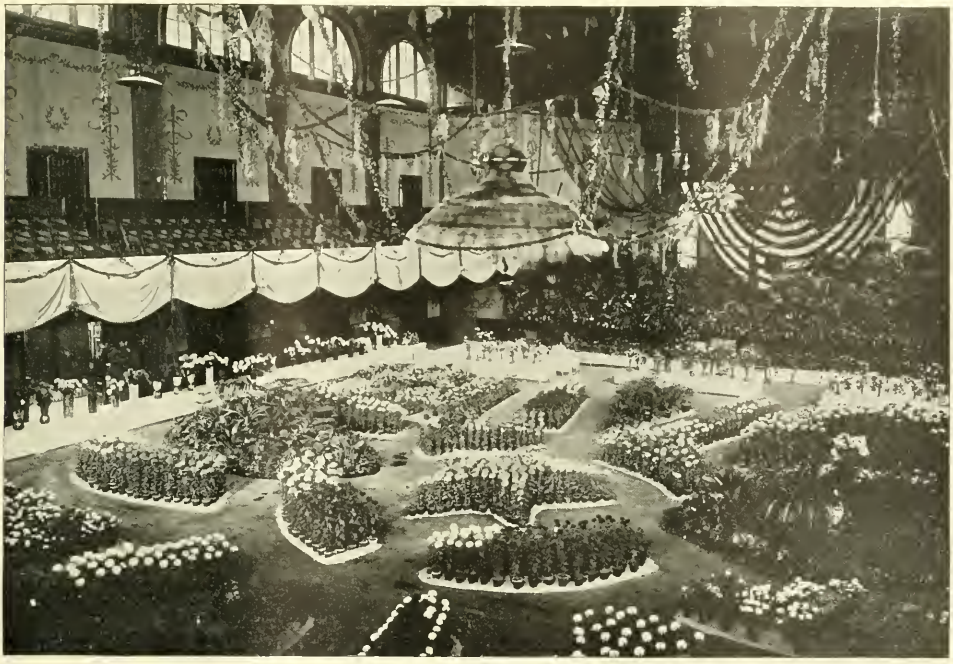
W. Longfellow, Duchess of Fife, Mrs. H. Robinson, G. Pitcher, W. C. Daviess, John C. Lager, Georgienne Bramhall, W. B. Dinsmore, Thanksgiving and Domination.

On Thursday the competition in rose displays was very lively. There were four entries as follows: Bertermann Floral Co., H. W. Rieman, Messrs. Vesey of Fort Wayne and W. H. Coles, Kokomo; the two former carried off the honors as the list called for arrangement and display. Many ferns and other plants, moss, fine vases and other accessories were used to make the tables beautiful. Bertermann's Premium Show Design consisted of two hearts leaning against one another, resting on an easel, above them a basket of Maid roses loosely suspended; it makes a beautiful wedding or valentine design.

The table decorations were Wiegand's in yellow chrysanthemums and ribbons; Bertermann's in red Meteor roses, center mirror and Farleyense ferns, red shaded candelabra. Following are the balance of awards:

Twelve best ferns, 1st, Stuart & Haugh; 2nd, H. W. Rieman. Fifteen cyclamens, 1st, Bertermann Floral Co.; 2nd, John Hartje. Ten Rex begonias, 1st, Stuart & Haugh; 2nd, Bertermann Floral Co. Twelve geraniums, 1st, H. W. Rieman; 2nd, Fred Rieman. Display decorative plants, 1st, Anthony Wiegand & Son; 2nd, Bertermann Floral Co.

Mantel decorations, 1st, Bertermann Floral Co.; 2nd, A. Wiegand & Son. Center table arrange-



PART OF THE INDIANAPOLIS SHOW.

ment, 1st, Bertermann Floral Co. Palm display, 1st, Anthony Weigand; 2nd, Bertermann Floral Co.; 3d, H. W. Rieman.

Ten large blooms chrysanthemums, 1st, Stollery Bros.; 2nd, Stuart & Haugh. Twenty-five blooms Carnations certificate, R. Witterstaetter with Evalina, a beautiful, finely shaped, white, good stem; Stollery Bros., Argyle. Display carnations, 1st, H. Weber & Son; 2nd, Bertermann Floral Co.

White roses, 1st, Stuart & Haugh; 2nd, W. J. & M. S. Vesey; 3d, W. W. Coles. Thirty yellow roses, 1st, Stuart & Haugh; 2nd, M. A. Hunt Floral Co.; 3d, W. J. & M. S. Vesey. Thirty red roses, 2nd, W. W. Coles; 3d, M. A. Hunt Co. Thirty pink roses, 1st, M. A. Hunt Co.; 2nd, W. J. & M. S. Vesey.

Best basket of chrysanthemums, 1st, Fred Rieman; second, Henry Rieman. Table center arrangement, 1st, John Hartje; 2nd, Bertermann Floral Co. Display of roses, 1st, Bertermann Floral Co.; 2nd, H. W. Rieman. Vase Pres. Carnot, 1st, Stuart & Haugh; 2nd, W. W. Coles.

Table decorations, Bertermanns, $25.00; A. Wiegand, $25.00. Best show design, 1st, Bertermann Floral Co.; 2nd, Ed. Schmidt. Best basket of roses, 1st, H. W. Rieman; 2nd, Bertermann Floral Co. Fifty Bridesmaid roses, 1st, Mrs. J. Larsen; 2nd, South Park Floral Co. Best 300 violets, 1st, South Park Floral Co.; 2d, W. W. Coles. Certificate to H. Weber & Sons, Oakland, Md., for new rose Mrs. Robert Garrett.

Among the visitors attending our show and entertainment were J. C. Vaughan, E. Stollery, W. Headsworth, Chicago; R. Witterstaetter, E. G. Gillette, Wm. Murphy, J. Peterson, Ch. Sunderbruch, Cincinnati; W. Giesey, Lockland, O.; Theo. Bock, Hamilton, O.; Harry Balsley, Detroit, Mich.; Elmer Smith, Adrian, Mich., besides many of our well known members of the society throughout the state.

One of the pleasant incidents during the week was a gathering Thursday afternoon around the long table in the "Walhalla." Theo. Bock, master of ceremonies and John Evans "the uncontrollable" made a bet on the bowling contest which was duly and honoarbly settled.

Mrs. Fred. Dorner, Sr., is in the city for a ten day's stay.

As many prominent stores had given liberal premiums, numerous plants and cut blooms were sent to them, making many show windows aglow with chrysanthemum baskets and designs.

Mr. Fred. W. Ostertag, formerly of St. Louis, has started in the florists' shop business in Huder's drug store, corner Wash. and Penn. streets, the same space occupied by Bertermann Bros. a few years ago.

Business is moving along slowly, at times rather brisk. Roses go slow while good chrysanthemum blooms sell moderately well at reduced prices.

The Public Market people complain very much about dullness all through this fall their sales being very slow. W. B.

Port Chester, N. Y.

On Friday and Saturday, November 5 and 6, a flower show was given here under the auspices of the Westchester Gardeners' Society, and it was an exceedingly fine show well arranged, and did great credit to the managers in every particular. Many of the chrysanthemum blooms were quite equal to any that the writer has ever seen exhibittd.

The most notable features were the vases of 25 blooms, in which class Golden Wedding carried off the first premium from seven competitors. Class for 12 blooms in 12 varieties on long stems brought out as many competitors and the competition was very close. In the classes for 6 blooms yellow, 6 white, 6 pink and 6 crimson there was a good competition and some exceedingly fine blooms staged. The judges had a hard matter to decide in the yellows between Modesto and Golden Wedding, but finally the latter won on account of its stem. In whites, Mrs. Robinson was an easy winner; in pinks Mrs. Perrin and in crimsons John Shrimpton. For the best 12 distinct blooms on boards there were 10 entries and a grand lot of flowers, the winning twelve especially so.

Another very strong feature of this show was the fine display of hot house grapes; for the best two bunches black Gros. Colman carried off the first premium and superb bunches they were with berries as large as green gage plums. There were five competitors in the class for two bunches white; the competitions were not there on one exhibit, but in that for one white and one black there were two competitors. Vegetables also found a very attractive feature, and two fine collections of cacti drew many admirers by their odd and independent appearance which distinctly indicated "keep your hands off, or you may get into trouble."

The group of ornamental foliage and flowering plants arranged for effect was also a very telling feature of the show, but as is often the ease with such exhibits they ran to extremes. Two of the groups while very beautiful were deficient in flowering plants to make them attractive, and the other though an extra fine exhibit, on the whole was overdone with flowers.

In specimen plants the show was rather weak, but one plant of Erminilda was certainly a grand specimen and deserves special attention. But the gem of the whole show was in the class for best single flower; this was easily won by the variety Mrs. H. Weeks a magnificent flower of the Mrs. Hardy type with grand stem and handsome foliage.

In roses and carnations the show was a little weak, but collectively the whole show was a grand success and to the following gentlemen and ladies, and their gardeners, must be given the whole credit and we trust that another season they will even excel themselves. The following were the principal exhibitors:

James M. Constable, Mamaroneck; T. Osborn estate, Rye Neck; Hicks Arnold, Port Chester;

James W. Quintard, Port Chester; Wm. H. Parsons, Rye; Mrs. A. A. Anderson, Greenwich; Mrs. E. C. Hoyt, Stamford; Edward Holbrook, Stamford; Commodore James D. Smith, Stamford; Estate of Mrs. Charles Mallory; Port Chester; H. M. Flagler, Mamaroneck; Whitelaw Reid, Purchase; T. L. Park, Purchase; Mrs. Sacket, Rye; Walter W. Law, Scarborough; G. F. Eastman, Tarrytown; Wm. H. Macy, Harrison; H. J. Park, Port Chester; Alex. Mead, Greenwich; Paul Bargervine, Port Chester; Siebrecht & Son, New Rochelle.

Milwaukee

The general appearance of Lincoln Hall was pleasing; in some respects the arrangement was far better than that made a year ago. Credit is certainly due Mr. Klokner for his efforts and accomplishments, and shortcomings as to striking features or expert production of flowers and plants that go to interest a large



A GLIMPSE OF THE MILWAUKEE SHOW.

number of the usual patrons of this display were not due to his management. A careful examination of all the entries and decorations shows that no special preparation has been made by the growers to produce anything of unusual interest for this show. The flowers and plants on the whole were of good quality but were of the standard commercial grade which are found on the counters of all first-class florists daily. The cause of this state of affairs appears to be due largely to the dissatisfaction caused by last year's show. A majority of the florists had determined not to participate in another show, but owing to Mr. Klokner's efforts a number changed their minds and brought the best of what they had to help out.

In awarding the prizes, the judges' ideas appeared to be at variance with the majority of the patrons, in respect to the arrangements. In judging the plants and flowers there was left room for criticism. The President Carnot rose, although in small numbers, showed off beautifully. The Argyle carnation was about as large and fine a bloom as has been shown in this city. Mr. Sylvester's violets were easily gixen first prize. There were no table decorations. There were three mantels, one in particular was somewhat strange in its construction, being filled quite heavily with ferns; on the top shelf were quite a quantity of Farleyense and a few valley, on the lower shelf, nestled as an undergrowth in the shade of the ferns, were American Beauty roses on one side, with Perle roses on the other. On the floor a mixture of pandanus and ferns. The next mantel had some pandanus and yuccas on the top growing up from the side; extending quite high were branches of euonymus with pink berries, also some white snow berry branches; growing up these stems from below were smilax which ran through the pandanus and asparagus, light colored, entwining some of the euonymus branches, on the lower shelf the projecting part was composed of ferns, the inner part also ferns of very light color and texture. The general effect was simple and in harmony. The third mantel was made of three groups of ferns, palms and pandanus and two bunches of red roses. Each one of these three mantels was distinct, one original.

Of the general display of plants arranged for effect, the judges picked out a pyramid of palms and a round bed of chrysanthemums. The arrangement of bouquets and baskets was ordinary. The attendance has not been encouraging.

The prizes as awarded were as follows: Chrysanthemums best 15 plants, second, A. Billings; third, F. Knoor. Best 4 white chrysanthemums, Billings; best 4 yellow, Billings; best 4 pink, Billings; best four red, Billings. Best specimen plant, first, Knoor; second, Billings. Best 10 plants single, first, Freytag; second, Billings. Best standard, first, Frank Dilger. Best 2 yellow, pink and red, first, Billings; second, Knoor. Best 12 any kind, 3 flowers to each, first, Fridock.

Best display of plants arranged for effect, F. Knoor; second, J. Freytag. Best group of ferns arranged for effect. first, J. J. Volum; second, A. Billings. Best 25 begonias arranged for effect, first, J. Knoor; second. Dilger. Best 12 cyclamens, first, S. Haash. Cut blooms, best 15 named varieties, first, H. Stapps; second, A Billings. Best 6 named varieties, first, H. Stapps; second, A. Billings. Fifteen blooms white, 15 blooms yellow, 15 blooms pink, 15 blooms red, each Billings.

In roses, American Beauties, J. Munel was first. Perles, A. Zender; Brides, H. Stapps; Bridesmaids, H. Munel; Cusin, A. Zender; Meteors, J. Munel. Best collection of 6 varieties, H. Stapps; best vase of 25 blooms, J. Muncl. In carnations 25 white, first, Longland & Hony; 25 red, A. Zender; 25 pink, Longland & Hony; Daybreak, H. Stapps. Best violets, first, O. Sylvester; second, Leoffler Bros.

Mantel decorations, first, A. Klokner. Basket chrysanthemums, first, J. Freytag; second, Espenhain & Co. Basket of roses, first, J. Freytag; second, Espenheim.

C. B. W.

Morristown, N. J.

The second annual chrysanthemum exhibition of the Morris County Gardeners' and Florists' Society which was held in McAlpin's Hall, Morristown, November 3 and 4, was an unqualified success both from a horticultural and financial point of view. The arrangement was good; the cut flowers were placed on longitudinal tables, and the groups of foliage plants, and foliage plants with chrysanthemums, (a special feature), were arranged prettily against the walls in half circles and stood out boldly against the white back grounds; in the dome of the hall the incandescent lights were covered with pink crepe paper which shed a soft "dim religious" light which gave the exhibition a unique appearance.

The champion prize for twenty-four blooms was secured by M. McNulty, gardener to M. Tilden, the following varieties deserving special notice—Modesto, Mayflower, The Queen, Major Bonnaffon, Lady Playfair, Pink Ivory, Good Gracious and Philadelphia; second, George Bird with some excellent blooms. In the class for six white, M. Tilden was first with The Queen and George Bird 2nd with Frank Hardy. Six yellow M. Tilden 1st, with good blooms of Minerva; 2nd, G E. Kissell, with Maior Bonnaffon. For any color H. L. Hand took first with Ivory and F. Sameson secured 2nd with Good Gracious.

The rose classes were all well filled and being, so to speak, right in the heart of the rose growing district, the blooms were *par excellence*. Mr. E. Brant swept the first for all varieties including collections, his Beauties being specially good. Walter Reed and J. Ryan divided honors with the seconds.

The groups of chrysanthemums, with foliage plants arranged on space, not to exceed 50 square feet, brought out some excellent competition and were the feature of the show. F. Keeser, was easily first with an excellent arrangement; 2nd, Mrs. A. R. Whitney, (gardener J. Davies), 3rd, G. Bird. For group of foliage plants F. Keeser was again successful; 2nd, J. Elliott. The table decoration of orchids, arranged with foliage was a very pretty class. J. Duckham, gardener to D. Willis James, carried off first honors with a mass of Cattleya labiata, Dendrobium Phalænopsis and cypripediums and foliage interspersed. Lager & Hurrell, showed a pretty lot of Cattleya labiata and Oncidium varicosum, while the modest president of the Society, Arthur Herrington, exhibited a pretty collection of cypripediums, Cattleya labiata, Odontoglossum crispum, Oncidium ornithorhynchum, and the rare Oncidium incurvum album, tastefully arranged, not for competition.

A group worthy of special remark was that by W. Duckham, in which quality, variety and tasteful arrangement, all contributed to a very evenly balanced display. Among the noticeable specimens were Cocos Binoti, Dracæna Sanderiana, some new seedling unnamed dracænas, Araucaria excelsa glauca, Cocos Weddeliana and some well colored crotons. The chrysanthemums arranged in the form of half moons through the groups were of exceptional quality. J. N. May sent, not for competition, six vases of chrysanthemums superbly grown, exhibiting the fol-



A GLIMPSE OF THE SHOW AT MORRISTOWN, N J.

lowing well known commercial varieties: Mayflower (undoubtedly one of the best whites in commerce). Evangeline an excellent Japanese incurved white, very deep flower with standard stem and foliage, and Major Bonnaffon and Pink Ivory. W. Duckham had some fine specimens of Mrs Peabody, Modesto, Philadelphia, Mayflower and Major Bonnaffon.

Arthur Herrington, had several non-competitive exhibits of notable excellence. A group of flowering anthuriums with their many scarlet flowers, attracted the attention of all. He also showed Frank Hardy chrysanthemum a variety "made in England" that has a future before it and bound to find commercial favor. It is an incurved Japanese form something like Good Gracious, petals somewhat broader and flowers much deeper. It is a creamy white with foliage up to the flower, erect stem, good keeper and follows right after Mrs. Henry Robinson, essentially a mid-season variety. Silver Cloud, a blush white, is a good exhibition variety.

A vase of anthurium flowers arranged with grasses and Symphoricarpus purpurea and Callicarpus purpurea, with red berried shrubs exhibited by Mr. Duckham, was very effective. D. W. Burnett staged a pretty epergne of violets; he also secured the honors for competitive violets. Mr. Holmes the Morristown florist secured first for a pretty jardiniere. Wm. Reed and D. H. Burnett also had some worthy exhibits.

Kansas City, Mo.

The third annual chrysanthemum show of the Kansas City Florist Club opened up at the Home Produce Show Building Nov. 3 and ran the balance of that week, opening up Monday again to run all the present week. Kansas City is a good show town and its people patronize a good show to a very liberal extent. As the program was changed every day the same people came back and will come again. The attendance has been good in spite of some bad weather; Friday and Saturday two floors of the big building were taxed to their utmost to hold the crowd. The display of 'mums this year was immense in both quantity and quality. It is doubtful if a better collection of 'mums has ever been seen together before, and certainly not in the west.

As usual, Mr. E. T. Heite, father of chrysanthemum growing in Kansas City, came to the front and in great shape. His specimen bush plants and single stems were beyond criticism, as also was his entry of '97 varieties, which was the special feature of the show. All the entries were good; some showed that they were a little early to be at their best, but all in all were good.

Among the exhibitors E. T. Heite, C. E. Heite and W. J. Barnes led in chrysanthemums, each one making all the entries on the list in pot plants and cut flowers, and W. J. Barnes and the Heite Floral Co. in design work, some pretty work being shown; the Heite Floral Co.'s piece representing Brooklyn bridge, and a basket of chrysanthemums Ivory in Adiantum Farleyense, made up by W. J. Barnes, being probably the best.

Among the new varieties grown by Mr. E. T. Heite were Madame Carnot, which is fine; Le Colosse Grenoble, this being the largest flower in the show (14 inches in diameter); Pride of Exmouth, Mrs. Geo. Carpenter and many others of the older kinds, among which were Wm. Simpson for pink, Mrs. Henry Robinson and the Queen for white, G. S. Conover, Golden Trophy and Yellow Queen for yellow, with Geo. W. Childs for red. These were the best of the colors, but there were hosts of each color in almost every tint and shade.

Cut roses and carnations were not overlooked and were well represented. Among the carnations were a bunch of the new seedling, Argyle, from Stollery Bros., Chicago, that were the admiration of everybody.

The attraction for this week, outside of the many 'mums that are being brought in as fast as ready, is the Flower Queen of the Topeka, Kan. carnival, Miss Edna Whitney, of Chillicothe, Mo. This young lady will preside at a booth erected for her for the purpose of selling cut 'mums, in which place her beauty and distinguished appearance make quite a sensation. There are quite a number of visiting florists in town, and all take in the show as a matter of course. W. J. B.

Worcester, Mass.

By far the best chrysanthemum exhibition we have ever held is the general opinion of the people who have followed up the shows, and it is very pleasing that the few that have worked hard and overcome many obstacles to keep the society up to holding a fall exhibition to hear this verdict. The arrangement of the hall is very striking and the palms and foliage plants are used in such a way that in viewing the whole from the gallery the picture is toned down to a pleasing harmony. Perhaps the greatest improvement noticeable is in the cut blooms; without a doubt they are the finest ever shown in this city.

The vases of twenty-five blooms of one variety were the most striking feature of the show, and there wasn't a poor vase among them. In this class Philadelphia, Mrs. Perrin, Modesto, Niveus and Queen were all exceptionally well done. The vases of twelve blooms of one variety were also a remarkably even lot of good blooms, and Minerva, Mrs. J. Peabody, Mrs. Perrin, V. Morel, Bonnaffon and Mrs. J. Jones stood out prominently in this class. In twelve and six distinct named varieties were some especially well-done blooms, and there was a greater showing in this class than ever before. E. V. R. Thayer, Fred. A. Blake and H. H.

A. Lange were well represented in this number.

It is always hard to get people with limited space to grow plants for this exhibition, as it takes such a lot of room to do it in; but this time we had all we could accommodate in our spacious hall, and the quality of the plants was much improved.

We had a splendid showing of carnations; fine displays were made by F. A. Blake, H. F. A. Lange, C. W. Ward (Cottage Gardens) and A. Ropert, Tewksbury, Mass., showed his two seedlings, Mayor Quincy and E. Sheppard. The display of roses and violets was also very fine, and always very popular with the public. H. F. A. Lange, C. D. Thayer, F. B. Madaus and Mrs. Thos. Ward showed large collections of decorative plants arranged on the stage and in pyramidal groups on the floor of the hall. The weather, as usual, was dead against us; it rained steadily all day Tuesday; and this fact, and a large concert given by a local militia company, made the attendance for the opening day very light. Mr. George McWilliams, of Whitinsville, was judge of plants and flowers. Continued in our next. A. H L.

Chicago.

The opening of the annual chrysanthemum show was preceded by a drizzling rain that boded ill but fortunately the skies cleared by noon and the first day's paid admissions were double those of the first day last year. The display is an advance on that of any previous show in both quantity and quality,and particularly in quality. On entering the hall the first thing to catch the eye is the magnificent lot of geraniums exhibited by W. N. Rudd. They are wonderful examples of cultural skill, and Mr. C. W. Johnson, the grower, is entitled to the highest praise. None of the visiting florists had ever seen such geraniums before. They were in 10-inch pots, three to four feet high, symmetrical in form with perfect foliage down to the pot and covered with splendid trusses of bloom. They were a revelation to the professionals and the general public found it difficult to believe that they were the common geranium simply grown to perfection. Back of these in the center of the hall is the superb group of decorative plants shown by John Algots, including a Kentia Forsteriana about twenty feet tall and perfect in every respect. Around the hall are grouped the various displays of chrysanthemum plants, standard and bush, and other blooming and foliage plants in profusion. In the center of the stage is a bunch of dried Eulalia Japonica plumes with stems eight or nine feet tall, displayed by Secretary W. C. Egan. and to one side of the stage is the superb display of chrysanthemum blooms backed by palms from E. Wienhoeber, which is not for competition.

The competing cut blooms are all in the adjoining armory. The vases (or rather jars or tubs) of 40 blooms are truly remarkable. W. N. Rudd's vase of Mayflower are undoubtedly the largest 40 blooms ever shown in this city, and his 40 Bonnaffons were also superb. He led in nearly all the vases of 40 blooms and they were a magnificent collection. In the armory are also many more chrysanthemum plants, groups of palms, etc, while in one corner is the art exhibit which experts say is excellent. "Flowers, Art, Music" was the line used by the press committee in all the advertisements and the combination seems to appeal strongly to the people. Following is list of awards for first day with notes on the winning collections.

CHRYSANTHEMUM CUT BLOOMS.

For 40 blooms, one variety, white, 1st, W. N. Rudd, Mt. Greenwood, Ill., with vase of most magnificent blooms of Mayflower; 2nd, E. G. Hill & Co., Richmond, Ind., with a vase of very good blooms of Mrs. C. H. Weeks; Nathan Smith & Son, Adrian, Mich., staged a vase of Mutual Friend. For 40 blooms, one variety, yellow, 1st, W. N. Rudd, with a particularly fine lot of Major Bonnaffon; 2nd, E. G. Hill & Co., with Modesto; Fred. Dorner & Son, Lafayette, Ind., entered a vase of Bonnaffon. For 40 blooms, one variety, pink, 1st, W. N. Rudd with Mrs. S. T. Murdock; 2nd, Dorner & Sons with same variety. For 40 blooms, any other color, 1st, W. N. Rudd with Rinaldo; 2nd, Nathan Smith & Son with same variety.

For best 20 varieties, one bloom each, 1st, W. N. Rudd. Among the varieties staged in his exhibit were Mutual Friend, Evangeline, Modesto, Maud Dean, Western King, Mrs. Jerome Jones, Philadelphia, Viviand-Morel, Mrs. S. T. Murdock, Clara Goodman, Golden Wedding; 2nd, Nathan Smith & Son with a beautiful collection; 3rd, Crabb & Hunter, Grand Rapids, Mich.; among other exhibitors were E. G. Hill & Co., J. C. Vaughan and Henry Smith, Grand Rapids, Mich. For best 12 varieties, one bloom each, 1st, W. N. Rudd. This collection included blooms of Modesto, Mutual Friend, Mrs. J. J. Glessner, Philadelphia, Mrs. M. A. Ryerson, Viviand-Morel, Mrs. Perrin; 2nd, Jas. Hartshorne, gardener to H. N. Higinbotham, with Mayflower, Viviand-Morel, Reine D'Angleterre, Mrs. Henry Robinson, Mrs. A. J. Drexel, Modesto and others; 3rd, Nathan Smith & Son; other exhibitors were Crabb & Hunter, Henry Smith, both of Grand Rapids, Mich.; Stollery Bros., Argyle Park, Ill., Fred. Dorner & Sons Co., Lafayette, Ind., and H. Weber & Sons, Oakland, Md. For best 6 blooms, one variety, white, 1st, Hills & Jakobsen, Maywood, Ill., with Mayflower; 2nd, W. N. Rudd with same variety. For best 6 blooms, one variety, yellow, 1st, W. N. Rudd with vase of Modesto; 2nd, E. G. Hill & Co. with Major Bonnaffon. For best 6 blooms, one variety, pink, 1st, F. Bahr, Highland Park, Ill., with vase of Viviand-Morel, which were of exceptionally good color; 2nd, W. N. Rudd with Maud Dean. For best 6 blooms, one variety, red, 1st, Nathan Smith & Son, with Geo. W. Childs; 2nd, Crabb & Hunter, Grand Rapids, Mich., with Oakland. For best 6 blooms, one variety, bronze, 1st, Henry Smith, Grand Rapids, Mich., with Mr. Hicks Arnold; 2nd, W. N. Rudd with Harry May. For best 6 blooms, any other color, 1st, Nathan Smith & Son, with Silver Cloud; 2nd, Crabb & Hunter with Chas. Davis. For best 12 blooms Mrs. J J. Glessner, 1st. Nathan Smith & Son.

For best collection, named varieties, one bloom each, not less than 40 varieties, 1st, E. G. Hill & Co. Among the varieties staged were Miss Georgiana Pitcher, Autumn Glory, Mrs. S. R. Wilks, Mrs. Perrin, Mrs. C. H. Weeks. Mrs. C. Kingston, Major Bonnaffon, Corsair, Le Colosse Grenoble, Modesto, Bessie Hollis; 2nd, Nathan Smith & Son. For best collection anemone varieties, one bloom each, not less than 15 varieties, 2nd, Nathan Smith & Son. In this collection were included Mrs. F. Gordon Dexter, Enterprise, W. W. Astor, Mrs. Hugh Gardner, Grace Darling, Surprise, Delicatum.

In the international competition, in Michigan, 1st, Nathan Smith & Son with Western King, Mutual Friend, Mrs. J. J. Glessner, Nianza, Philadelphia, Golden Gate, Sunstone, Minnie Wanamaker, Iora; in Illinois, 1st, W. N. Rudd with blooms including the following varieties: Modesto, Mutual Friend, Mrs. M. A. Ryerson, Mrs. Jerome Jones, Maud Dean, Golden Wedding, Viviand-Morel, Mrs. Perrin, Western King. Modesto; in Minnesota, 1st, Aug. Swanson, St. Paul; in Colorado, 1st, Mrs. R. Mauff, Denver; in Wisconsin, 1st, Otto Speidel, gardener to P. D. Armour, Oconomowoc; in Kentucky, 1st, Nanz & Neuner, Louisville; in Massachusetts, 1st, Elijah A. Wood, West Newton; in Indiana, 1st, E. G. Hill & Co., Richmond; in Maryland, 1st, H. Weber & Sons, Oakland, with extra good flowers of Modesto and Mrs. Peabody (white). A prize of $50 for the best dozen blooms, among the winning state entries, went to Nathan Smith & Son for their dozen blooms, and they were well worthy of the honor. For best collection of orchid blooms, Mr. E. G. Uihlein took first prize with a pretty table of flowers.

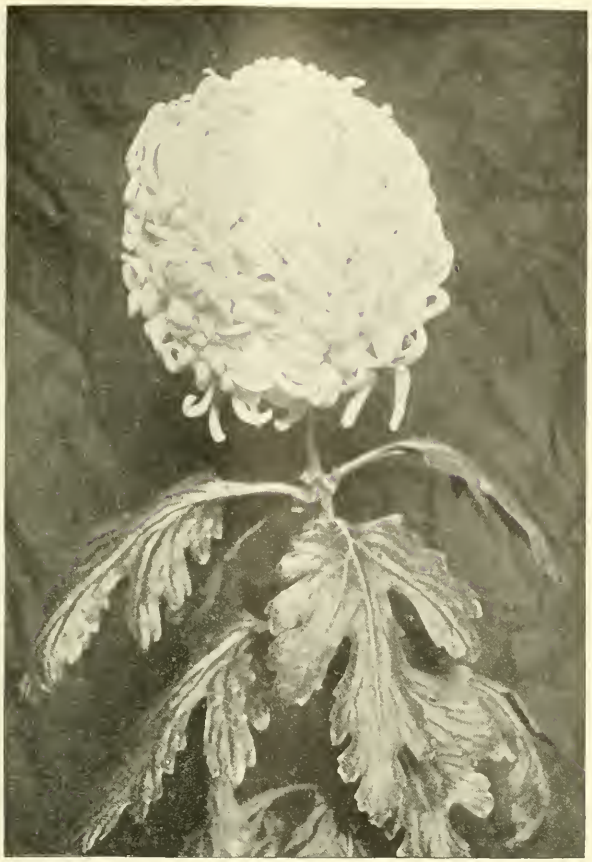
CHRYSANTHEMUM PLANTS.

For best specimen plant, white, 1st, W. N. Rudd with Mutual Friend, (very formal in shape but beautifully bloomed); 2nd, John Reardon, gardener to Martin A. Ryerson, also with Mutual Friend. For best specimen plant, yellow, 1st, John Reardon with Miss Georgiana Pitcher; 2nd, W. N. Rudd with Lincoln. For best specimen plant, pink, 1st, John Reardon with Louis Boehmer; 2nd, W. N. Rudd with Chebeaque. For best specimen plant, any other color, 1st, John Reardon; 2nd, W. N. Rudd with E. M. Bigelow. For best 1 standard, not less than 30 inch stem, white, 1st, John Reardon with Dean Hole; 2nd, Crabb & Hunter. For best 1 standard, not less than 30-inch stem, yellow, 1st, Crabb & Hunter; 2nd, J. C. Vaughan. For best 1 standard, not less than 30-inch stem, pink, 1st, Crabb & Hunter; 2nd, J. C. Vaughan. For best 5 standards, not less than 12 inch stems, nor more than 24 inch stems, 5 varieties, 1st, John Reardon. (In this exhibit was included a most magnificent half standard, variety Miss Georgiana Pitcher.); 2nd, J. C. Vaughan with a very excellent collection.

For best 5 specimen plants, 5 varieties, not over 10-inch pots, 1st, John Reardon with Dean Hole, Mrs. M. A. Ryerson, The Bard, Golden Gate, Major Bonnaffon; 2nd, W. N. Rudd with W. H. Lincoln, Mrs. Perrin, Modesto, Dean Hole, Mutual Friend. For best 10 specimen plants, not less than 5 varieties, not over 8-inch pots, 1st, John Reardon; 2nd, W. N. Rudd. For best 25 plants, grown to single stem, white, 1st, Crabb & Hunter with Mrs. H. Robinson; 2nd, J. C. Vaughan with an excellent collection of white varieties. For best 25 plants, grown to single stem, yellow. 1st, Crabb & Hunter with majority of plants Major Bonnaffon; 2nd, J. C. Vaughan with mixed varieties. For best 25 plants, grown to single stem, pink, 1st, J. C. Vaughan with mixed sorts; 2nd, Crabb & Hunter with Jayne and Mrs. Perrin. For best plant not disbudded, not tied and with no artificial support, 1st, no award; 2nd, Crabb & Hunter. For best one plant, grown to single stem and bloom, 1st, Henry Smith, Grand Rapids, Mich., with Major Bonnaffon; 2nd, Crabb & Hunter with Mutual Friend.

MISCELLANEOUS PLANTS.

Most interesting grafted specimen plant of any kind, 1st, R. Mueller, gardener to A. S. Trude; 2nd, J. C. Vaughan. Best 10 geraniums, not over 10-inch pots, white, 1st, W. N. Rudd with the most magnifi-



NEW WHITE CHRYSANTHEMUM FRANK HARDY, AS SEEN AT THE BOSTON SHOW.

cent lot ever seen in Chicago. Best 10 geraniums, not over 10-inch pots, pink, 1st, W. N. Rudd (these were also magnificent flowers); 2nd, J. C. Vaughan. Best 10 geraniums, not over 10-inch pots, red, 1st, W. N. Rudd, (equal to his others); 2nd, J. C. Vaughan. Best 10 begonias, not less than 5 varieties, not over 10-inch pots, 1st, H. Smith, Grand Rapids; 2nd, J. Algots. Best 10 cyclamens, 1st, Kalous Bros.; 2nd, Fred Bahr, Highland Park, Ill.

Best collection cypripediums, in bloom, 1st, H. Skjoldager, gardener to E. G. Uihlein. Best collection of ferns, 1st, Geo. Wittbold; 2nd, J. Algots. Best 10 foliage plants, 6 varieties, not over 6-inch pots, 1st, E. G. Uihlein. Best one palm, 1st, J. Algots; (This was a most remarkable specimen of Kentia Belmoreana over 8 feet high; a superb plant.); 2nd, J. C. Vaughan. Best one araucaria, 1st, John Reardon; 2nd, Art Floral Co. Best decorative plant, other than preceding, 1st, J. Algots; 2nd, H. F. Halle. Best one fern, 1st, J. Algots with a beautiful specimen of Blechnum Braziliensis. Best one climbing foliage plant, 1st, J. Algots with a handsome specimen of Cissus discolor; 2nd, Art Floral Co.

Best display of stove, decorative and greenhouse plants arranged for effect, open to all, 1st, J. Algots, (This collection included a most remarkable specimen of Kentia Forsteriana about 20 feet tall with about a 12 foot spread and with every leaf perfect; 2nd, Geo. Wittbold. This collection was also a very excellent one. Best display of stove, decorative and greenhouse plants, arranged for effect, open to commercial florists only, 1st, H. F. Halle; 2nd, Geo. Wittbold. Both of these exhibits included excellent collections of commercial decorative plants. Best 2 hanging baskets or pots, 1st, J. Algots with handsome baskets of Panicum variegatum.

ROSES.

The rose competition on Wednesday brought out a beautiful display of fine blooms. A leading feature was the grand collection shown by Bassett & Washburn, not for competition. This included an immense jar of magnificent American Beauties, every one a specimen. The collection included all the forcing varieties, and there was also a vase of early Lilium Harrisii.

In competing classes Wietor Bros. were first on 25 Beauties and Reinberg Bros. took first on 6 blooms of same. In the vases of 40 blooms each Reinberg Bros. were first on Kaiserin, Testout, Bride, Bridesmaid, and Perle des Jardins. Wietor Bros. were first on Meteor, and Hills & Jakobsen won first honors on Mrs. Pierpont Morgan. For 25 any other variety Reinberg Bros. were first with a vase of Pres. Carnot.

In the classes for a dozen blooms of each Reinberg Bros. were first on Kaiserin and Testout; Wietor Bros. on Meteor and Perle des Jardins; Hills & Jakobsen on Mrs. Pierpont Morgan. For best dozen any other variety Reinberg Bros. were first with Pres. Carnot.

The silver cup for a dozen blooms of best variety never before exhibited in this country was won by H. Weber & Son, Oakland, Md., with Mrs. Robert Garrett, the fine pink rose that originated with Mr. John Cook, of Baltimore.

NEW CHRYSANTHEMUMS.

A certificate of merit was awarded to A. Herrington, Madison, N. J., for the grand new white variety Frank Hardy. The blooms arrived in fine condition and attracted much attention. Special mention was given W. N. Rudd for his yellow sport from Mayflower. It is identical with the parent variety except in color.

TABLE DECORATIONS.

There were seven entries in the class for table decorations. These must be maintained through the remaining three days of the show, which amounts practically to a new competition each day, and the one having the highest average of points during the four days wins first prize. The decorations for Wednesday, the first day, are described in the order in which they stood in the estimation of the judges.

W. J. Smyth, a round table with large cut glass trumpet vase of American Beauty roses in center and favors of valley and violets tied with narrow purple ribbon.

Art Floral Co., center piece a very slender trumpet vase of Bridesmaid roses, with a low mound of Bridesmaids in Farleyense fern at the base. Favors of the same rose.

P. J. Hanswirth, center piece a low cut glass dish of cattleyas and oncidiums in Asparagus Sprengerii, placed on a round mirror. Favors of orchids and asparagus, placed around the edge of the mirror. This was certainly the most novel arrangement and it was very graceful and effective.

John Algots, a low center piece of short stemmed American Beauties in Adiantum cuneatum. Around it were four small trumpet vases of the same rose and adiantum. Favors, Beauties and Meteors.

Samuel Muir, center piece a small round dish of lily of the valley interspersed with Adiantum Farleyense. Favors of violets and valley.

O. J. Friedman, a heart shaped table with center cut out. In the center was placed a vase of Mayflower chrysanthemums so that the blooms extended by a short distance above the table, while the inner edge of the heart was trimmed with Adiantum Farleyense.

Klunder Floral Co., center piece a bowl of Testout roses and at each end a small bowl of valley. Favors Testouts and valley.

THURSDAY.

In the dinner table arrangements for Thursday the board of lady judges was unable to distinguish between the tables of John Algots and the Art Floral Co. which were tied for first place. The former consisted of a centerpiece of Cypripedium insigne very gracefully arranged in Adiantum cuneatum, with favors of the same cypripedium—three flowers for the ladies and one for the gentlemen. The Art Floral Co. had a cut glass trumpet vase

of Mayflower chrysanthemums resting on a mirror around the edge of which were placed sprays of asparagus and Pteris argyræa.

Second place was awarded to Mr W. J. Smyth. This arrangement consisted of a low centerpiece of Cattleya Trianæ inserted in Adiantum cuneatum with Adiantum Farleyense at the base. Around the centerpiece were six small glass vases containing two cattleyas and one fern frond each; favors of lily of the valley.

Mr. P. J. Hauswirth was third with a mound of cattleyas in Adiantum Farleyense and sprays of valley intermingled. Favors for ladies were of cypripediums and oncidiums with Asparagus Sprengerii for foliage, and for the gentlemen lily of the valley.

The Muir table, which was fourth on the list, consisted of a low cut glass trumpet vase of Viviand-Morel chrysanthemums resting upon a small square mirror, around which were garnishments of Asparagus plumosus intermingled with Adiantum cuneatum and Farleyense and a few Morel chrysanthmums. Favors of lily of the valley and Farleyense for the ladies and carnations for the gentlemen.

Fifth on the list was that of Mr. O. J. Friedman, a heart shaped table, the same as the day before, in the center a vase of American Beauty roses, the taller ones rising about a foot above the level of the table, with garnishments of Adiantum Farleyense along the inner edge of the heart; no favors.

The Klunder Floral Co. arranged a long table with centerpiece of Kaiserin and Testout roses with long sprays of Kaiserins extending in each direction nearly the length of the table. Favors of same roses and lily of the valley.

CARNATIONS.

On Thursday the judges found a brilliant array of carnations in the vases that covered the long tables in the Armory, and their work progressed slowly owing to the unusually fine varieties on which they had to pass. The awards were as follows:

Best 50 blooms, white, Annie Lonsdale, 1st, Reinberg Bros. Best 50 blooms Lizzie McGowan, 1st, W. N. Rudd; 2nd, Wietor Bros. Best 50 blooms Alaska, 1st, Wietor Bros.; 2nd, H. Weber & Son. Best 50 blooms any other white, 1st, Reinberg Bros. with Harrison's White; 2nd, H. Weber & Son. Best 50 blooms red, Portia, 1st, H. Weber & Son. Best 50 blooms Jubilee, 1st, H. N. Higinbotham (J. Hartshorne, gardener); 2nd, W. N. Rudd. Best 50 blooms any other red, 1st, H. Weber & Son with Hector. Best 50 blooms pink, Tidal Wave, 1st, Henry Mundt; 2nd, J. Hartshorne. Best 50 blooms William Scott, 1st, J. C. Ure; 2nd, H. Weber & Son. Best 50 blooms Daybreak, 1st, Henry Mundt; 2nd, J. C. Ure. Best 50 blooms Mme Diaz Albertini, 1st, J. C. Ure. Best 50 blooms Triumph, 1st, H. Weber & Son; 2nd, Wietor Bros. Best 50 blooms Rose Queen, 1st, J. C. Ure. Best 50 blooms any other pink, lighter in color than William Scott, 1st, W. N. Rudd with Mrs McBirney; 2nd, Reinberg Bros. with Kohinoor. Best 50 blooms, striped variety, Armazindy, 1st, H. N. Higinbotham; 2nd, Wietor Bros. Best 50 blooms, any other striped except the yellow ground, 1st, F. Dorner & Sons Co. with Mrs Geo. M. Bradt; 2nd, Reinberg Bros. with Nancy Hanks. Best 50 blooms, yellow, 1st, W. N. Rudd with Mayor Pingree; 2nd, Reinberg Bros.

Best 25 blooms, white, introduction of 1897, 1st, W. N. Rudd with Flora Hill; 2nd, F. Dorner & Sons Co. Best 25 blooms, pink, introduction of 1897, lighter in color than William Scott, 1st, H. Weber & Son with Mrs McBirney; 2nd, W. N. Rudd. Best 25 blooms, pink, introduction of 1897, not lighter in color than William Scott, 1st, F. Dorner & Sons Co. with Mrs. C. H. Duhme. Best 25 blooms, red, introduction of 1897, 1st, Reinberg Bros. with Morello. Best 25 blooms, any other color, introduction of 1897, 1st, W. N. Rudd with Marie Louise; 2nd, F. Dorner & Sons Co with same variety.

MISCELLANEOUS.

In violets, best 100 double, 1st, O. Sylvester; 2nd, Loeffler Bros. The judges made honorable mention for the meritorious display of decorative plants for the following entries: Board of Lincoln Park Commissioners, J. C. Ure, J. C. Vaughan, Art Floral Co., Andrew McAdams and S. Muir; also for meritorious display of plants and cut flowers to Mr H Schiller. The silver gilt fruit dish for the most meritorious display of plants and cut flowers in the show was awarded to E. Wienhoeber.

Philadelphia.

The chrysanthemum exhibition of the Pennsylvania Hort. Society opened under most favorable conditions last Tuesday evening. Rain had fallen a good part of the day but the night was beautiful and clear, and the cool bracing air kept pedestrians moving along at a lively gait. The attendance for the first night was not, however, quite up to expectations, but it is hoped that later on the good record of last season will be excelled.

Taking the show as a whole it is much better than last year's, the character seems to be changing somewhat there being a more varied range of exhibits and particularly fine collections of ornamental foliage plants and palms. The H. A. Dreer Co's display was a grand one and did more to make the exhibition a success than that of any other firm. Their entries not for competition were to be seen at every turn and attracted much attention. Charles Fox, Jr. a new exhibitor, had some fine large palms in conspicuous places. His arecas were particularly choice some of them standing twelve to fifteen feet in height, these added greatly to the general decorative effect of the hall. The groups of palms arranged by Messrs. John Westcott. Albert Woltemaite for competition, and those of Chas. Fox and J. Kift & Son of house plants from their general stock filled up the sides nicely and made a good background and contrast for the chrysanthemum plants in flower that occupied the center portion of the hall.

A word about these latter plants: we believe there was a time when we may have gone into ecstacies over no better stock. We have in the past certainly admired well grown, well flowered and sufficiently staked chrysanthemums, but with few exceptions those staged the present season, were far from perfection in any of these details There were quantities of stakes and but few flowers and less foliage to hide them. We think that the schedule makers should establish a standard and make intending exhibitors live up to it. The many fine blooms on the cut flower tables, almost side by side with the plants, make the latter look so very insignificant that they scarcely attract the attention of the visitor.

There were three tables of orchid plants in flower which made a grand show and were the centers of attraction. Hugh Graham's display was very fine, the arrangement was good, cork bark together with Farleyense ferns was placed artistically among the plants and a few tree branches rising from the center of the table supported baskets of orchids from which hung great sprays of flowers. Mrs. Geo. B. Wilson's collection was also a beautiful one as was that of Albert Woltemaite. As a border to his table he used Asparagus Sprengerii with very good effect.

In the lower hall H. A. Dreer's display of aquatics was very fine, backed as it was by a beautiful group of kentias. Fine bays also from Dreers, were arranged all around the walls, two magnificent specimens standing like sentinels either side of the main stair case. A fine bank of Cibotium Schiedei from the same firm was to be seen to the right of the entrance.

The cut chrysanthemum display was quite up to the standard of recent years, in fact it excelled in some respects. The blooms from E. M. Wood, of Boston, were undoubtedly the largest ever exhibited in Philadelphia; there were two vases, six each of Mrs. Jerome Jones and Modesto, which were really remarkable flowers, and many were the "Oh's and Ah's" and "wonderful," or like exclamations to be heard as they came into the view of the passing throng. One man said they had been crossed with cauliflowers which accounted for their immense size. Two vases of fifty immense flowers in each, one Golden Wedding and the other Frank Hardy, exhibited by H. McK. Twombly of Madison, N. J., were of unusual merit. The cut blooms were, we think, not given the space their general excellence warranted, being crowded too closely together. The mistake of last year was made again this that of having the tables too high; eighteen inches is plenty high enough, while many blooms would look better on one twelve inches from the floor. The exhibit could then be looked over as a whole, which would give them an added effect. A railing attached to the edge of the table would protect the blooms from being rubbed or bruised.

Hugh Graham's new carnation, sport of Philadelphia, which he has christened Pennsylvania, was one of the striking features. At the first landing of the grand staircase were two large vases one of Philadelphia and the other of Pennsylvania. These showed the difference between the two varieties to be simply one of color, the sport being of a good golden color, like Major Bonnaffon. A vase of the same in the main hall was arranged in front of a background to which was attached the favorable notices and certificates of merit it had received at the various cities it had been exhibited in this season. So far as heard from it has passed seven national chrysanthemum committees in various cities, obtaining on an average ninety points. It certainly is a beautiful flower.

In the lecture room of the lower hall was placed the vegetable exhibit. This was quite an attraction for many. There has been a noticeable improvement in the fruit and vegetable departments of late years, this result being attributed to the more liberal and intelligent policy of the society and the public-spirited action of the large seed houses of the city in offering special premiums. Last year's display was a distinct advance on its predecessors and this year's exhibition shows marked progress not so much in quantity as in quality of the specimens. The discriminating and commendable action of last year's judges in ignoring mere size as against quality has borne good fruit this



OFFICERS OF THE ST LOUIS FLORISTS' CLUB.

year and has affected a distinct improvement in the specimens shown. On account of this enlightened policy the fruit and vegetable department are slowly assuming their proper place, and are receiving the attention they deserve from the public. The effect on the growers is also good. The incentive to grow better stuff is being responded to in a most gratifying manner.

In pears the honors went to Ellwanger & Barry for a fine collection for which they were awarded first prize, certificate of merit and special mention. R. C. Kaighn, G. M. Hay and P. Pederson had also some good exhibits. Foreign grapes were a creditable display, in fact better than has been seen here for several seasons.

The chief prize winners were Gebhard Huster, James H. Bull and James H. Fox. C. C. Corby made a fine display of native grapes and carried first honors. An interesting item was a dish of Alpine strawberries exhibited by Joseph Hurley gardener to James M. Rhodes, Ardmore, for which he received special mention. R. C. Kaighn received special mention for an exhibit of Spanish chestnuts.

The society's vegetable premiums were well contested. John McCleary got the coveted first for the best collection. John F. Sibson got first on cucumbers, M. Mitchell on celery, Chas. Leisy on tomatoes, and John M. Kaign on turnips. Other prize winners in this section were Edward Reiger, A. B. Plumley, Robert James and R. C. Kaighn. The Mitchell vegetable premiums brought out some fine exhibits. According to the *Times* reporter the cauliflowers were so large that no pot would hold them. They were certainly fine James Lawder was the exhibitor. M. Mitchell took the honors on celery, spinach and lettuce; Walter H. Adams on cabbage; John H. Dodds on mangels; John F. Sibson on potatoes and cucumbers, and Edward Rieger on tomatoes. A. B. Plumly was the most successful competitor for the Burpee prizes, being ahead on cabbages, carrots, onions, radishes and turnips. M. Mitchell took first on celery. Matthew Callahan on tomatoes and R. C. Kaighn on watermelons. The Dreer premiums were also well contested and brought some very choice exhibits. The principal prize-winners were Robert James, John McCleary, Jos. McGregor, Joseph Hurley, James Lawder, M. Mitchell and Edward Reiger.

Seedsmen's exhibits: Dreer, Faust and Mitchell had good exhibits of seasonable bulbs and sundries, that of the latter being the largest and very tastefully arranged.

Nurserymen's exhibits: The nurserymen made better trade displays than ever before. The two groups of evergreens at the street entrance shown by the Stoke Pogis Nurseries being nicely arranged and very attractive. W. H. Moon and the Andora Nurseries had large and fine displays of evergreens, rhododendrons, etc., which added much to the variety and interest of the show.

The unique exhibit was made by C. E. Cox. This consisted of a miniature dwelling house with grounds laid out surrounding it planted with ferns; the whole affair occupied a space of about ten feet square; electric lights in miniature illuminated the grounds. Robert Crawford kept a table to the right of the entrance in the lower hall filled with flowers and plants from his stock. They were nicely arranged and much admired.

On Wednesday there was an exhibit of roses and carnations. The roses were of good quality, no poor stock being shown. The display might have been larger and seemed rather out of place alongside of the vegetable exhibit; but the committee had no other alternative, all other places being occupied. There were about sixty vases of carnations, many of them fine. The principal exhibitors were: C. W. Ward, of Long Island; R. Witterstaetter, of Ohio; H. Weber & Son, of Maryland; C. W. Cox, Wm. Swayne, Wm. Craig and Jos. Heacock. Mrs. Thos. Lawson, raised by Peter Fisher, of Ellis, Mass., is a fine flower, a good, deep pink, and large, with good stem Mr. Nicholson brought it with him from Boston, and said that it now brings $5 per hundred flowers in that market.

The second day's attendance was a great improvement over the first—in fact, it was ahead of the same day last year, and is a guarantee that the show will be a financial as well as an artistic success. Nothing but the most favorable comments are heard from the visitors, who go about with that contented, happy "glad we come" look on their faces that puts the officers of the society in a good humor. We believe that Secretary Rust's smile has broadened a full inch the past few days. Hugh Graham carried off the most prizes, numbering seven firsts and three seconds for cut blooms or chrysanthemums.

The exhibit of design work on Thursday, the feature for that day, was not as full as it should have been. John Westcott had a very prettily-decorated dinner table, all done with variegated foliage, and for which he received first prize. J. Kift had a dinner table decorated entirely of American beauties, which received first prize in its class. There were a few plateaus and baskets of chrysanthemums; the mantel decorations did not develop. The prizes for the most part are liberal, and the local brethren should take more interest in the matter than they do. Some do not allow their very select and choice blossoms to be exposed to the vulgar gaze of the public except for a consideration, and wouldn't think of entering them into a competition.

The smoker on Thursday evening and Friday morning was a grand one, and might not inappropriately be called a howling success. W. P. Craig was chairman, assisted by Wm. Smith a former mayor of this city, who is a past master in the art of entertaining and bringing out all the fun there is to be had in the situation. There were songs, recitations and speeches galore; even a dance or two were thrown in. Refreshments there was to sustain the boys and brace them up when called on. Messrs. Walker, Hughes, Myers, Dumont and others, not forgetting the famous Duke, sang their pet songs, which were much appreciated by the large audience of over one hundred and fifty. Many visitors from a distance stayed over to the smoker, and all seemed to enjoy themselves thoroughly. The party broke up at an early hour Friday after singing Auld Lang Syne. K.



Manetti Cuttings.

Subscriber would like to know the best way to treat the trimmings of the manetti with a view to raising stocks for grafting purposes. A few suggestions bearing on this subject were made in the FLORIST last winter, but probably escaped Subscriber's notice. It has been said that we cannot grow the manetti in this country on the same lines as in Europe with equal success, and I know that in some instances those experimenting have met with only indifferent success. I would not care to go on record as saying positively that these stocks can be grown successfully, as my experience with them is limited to two seasons only, but I do not think it an impossible undertaking by any means, provided we give the kind of soil, location and treatment they require.

In the first place it is a waste of time trying to root and grow the manetti in high dry soil unless we can, and are prepared to give them frequent and copious waterings in dry weather; a dry summer in Europe is almost always fatal to a

large percentage of the crop. They should be planted in a low, moist piece of ground, without it we can hardly escape failure, with it we are in a fair way to succeed. If I were about to put in a batch of cuttings I would have the ground plowed deep in the fall and afterwards worked over thoroughly several times to pulverize and bring it into first-rate condition. I would take off the wood as soon after October 1 as climatic conditions would permit; the ideal time is immediately after a good rain, there is then little tendency to shrivel. When the cuttings are put in early good callus will be formed before winter, and as soon as the soil begins to warm up in the spring the roots will commence to strike out, and before any extremely warm or dry weather is upon them they will have become established and out of danger, whereas if put in very late, or the work left until spring, the rooting must in average seasons be done under very unfavorable conditions.

For grafting teas very strong heavy stocks are not as easy to handle as those which are about the same thickness as the rose-wood, but once the work is done plants worked on thick stocks with their strong roots will grow faster and do as well or better than in those on thinner wood. It is well to leave the cuttings pretty long, say from 9 to 12 inches, take out every eye on the lower half to avoid any trouble from suckers, plant two inches apart in the row and twelve inches between the rows, and from six to eight inches deep, pressing the soil very firm around the cuttings with the feet.

After the ground is frozen and winter is here in earnest, a four-inch covering of meadow hay or leaves will give ample protection and prevent the lifting which follows freezing and thawing. Good cultivation during the following spring and summer will prove as beneficial to manetti cuttings as any other crop, but if good strong roots are not formed the first season it will be necessary to carry them over the second before attempting to use them for grafting.

ROBT. SIMPSON.

Transplanting Hardy Roses.

Please answer the following in your paper: Would there be much risk in transplanting hardy roses at present, October 28, in the latitude of New York City? FERRIS.

There should be no more risk involved in planting hardy roses at the end of October than at any other season, in fact I consider that time, or very early spring, the best time to plant dormant stock. According to my experience there are very few if any of the very choice hybrid remontant roses that are positively hardy in the vicinity of New York City; we call them hardy, to be sure, but how many of them succumb every year. A little stable manure, dry leaves or meadow hay, or even loose soil, thrown around the stems will do much to insure them against the ravages of winter cold.

ROBT. SIMPSON.

Cut Worms.

C. P. N., Minn., wishes to know the name of the insect that is boring holes in the sides of his rose buds and eating out the inside, and which has thus far eluded his vigilance. I presume it is the cutworm, and its peculiar habit of feeding at night and covering itself with earth at the first approach of day will account for its not being in sight when search is made. If C. P. N. has had no experience with cut-worms I would suggest as the simplest and surest means of exterminating them that whenever a punctured bud is discovered careful search be made around the base of the plants in the immediate vicinity, and unless he has travelled off to other pasture grounds he will be located just under the surface of the soil; or they can be caught at night when feeding, but searching by lamplight is a rather tedious job. When fully grown they are about two inches long, sometimes dark brown in color, at other times almost yellow. They have tremendous appetites, and while they prefer something as choice as a rose bud, carnation or chrysanthemum they will devour rank weeds, or almost anything that happens in their way. ROBT. SIMPSON.

New York.

CONTINUED DULL BUSINESS.—GREEKS MAKING MONEY ONLY.—VIOLET GROWERS GO TO PEDDLING.—CLUB MEETING —WHAT WAS DONE —NOMINATION OF OFFICERS — LOCAL ITEMS.

Growers, wholesalers and retailers alike all continue to complain of dull business. While this condition applies to all lines, including the plant trade, yet the cut flower trade is by far the greater sufferer especially in localities where high-class customers are catered to. The street dealers and those who run stands or small shops in crowded centers for cheap trade have everything in their favor. The surplus of flowers over legitimate demands enables them to obtain their stock at practically their own prices and the dullness in high class trade places the finer grades of stock within their reach, while the same mild weather which retards general business favors the free exposure of their goods in the open air, and thus they are making money fast, while the legitimate dealer finds it a hard matter to pay his expenses and the grower works hard and gets nothing for it.

The rose growers seem to be in the worst fix, for, as a rule, their houses and general equipment are the most expensive. The chrysanthemum growers are thoroughly discouraged, also. Carnation and violet men have less to complain of. Many of the latter have adopted the plan of peddling their violets by hand from store to store, the smallness and lightness of the goods making this an easy matter, and in the face of the irregularity of values resulting from this course the wholesale dealers find it more difficult now than ever to maintain regular prices.

The Florists' Club met on Monday evening to listen to the report of the committee on the matter of a scale of points for use in awarding the gold medal as decided last month, and to nominate officers for the next year. Other diversions not down on the program were presented, notably an unrehearsed duet between Messrs. Cottam and Logan, which served to make the meeting one not soon to be forgotten by the twenty-five members present. President Hensbaw being sick, Vice-President Plumb presided over the exercises and other features. The exhibition committee having reported its inability to formulate a set of rules and points for the medal competition another committee, consisting of Messrs. Manda, Troy, Burns, Brower and Keller, was constituted for the purpose.

The nomination of officers, under the present custom, gives about everyone in the meeting a place on the preliminary list and the declinations and withdrawals that follow bring unforseen candidates to the surface. As the list now stands there are for election at the December meeting the following candidates: for president, Wm. Plumb; vice-president, J. M. Logan, Louis Schmutz; treasurer, C. B. Weathered, Theo. Roehrs; secretary, John Young; trustees, W. I. Brower, J. H. Troy, Alex Burns, C. H. Allen, J. Dowsett and J. A. Penman.

A. Herrington showed blooms of the new Frank Hardy chrysanthemum and received a certificate of merit for it. There were no entries in competition for the silver medal of the club which had been offered for the best twenty-five chrysanthemum flowers. Mr. Donlan was present and extended an invitation to club members to visit the exhibition of the Gardeners' Society at the Astoria on Friday and Saturday.

Summit avenue, as now laid out at West Hoboken, cuts through E. Leuly's place separating the dwelling house entirely from the greenhouses.

Reed & Keller have added another floor to their establishment at 122 West 25th street for florists' supplies.

A. Herrington is sending some of the finest chrysanthemums ever seen in this market to Thos. Young, Jr.

Baltimore.

MARKET IN CHAOTIC CONDITION.—CHRYSANTHEMUMS BRING POOR PRICES.—CLUB MEETING — VARIOUS QUESTIONS ANSWERED —SMALL SHOWS ARE HELD.

The market is still in a chaotic condition, one day being no guide for the next. The remarkably mild weather has made outdoor flowers a drug, and when fairly good chrysanthemums from the market gardens can be had at five cents an armful, it may be regarded as certain that fancy florist stock is not bringing fancy prices by any means. Pink 'mums of deep tint seem rather scarce, and occasionally a sale of them at good prices occurs.

President Pentland was not out last club night, which, on account of his years, and the exceedingly inclement weather, was hardly to be expected. Though missing his paper on Adiantum Farleyense was a disappointment, yet those who braved the weather were repaid by a very interesting, amusing and instructive meeting. Mr. Harry Quick exhibited a seedling chrysanthemum, Mrs. M. E. Quick, sulphur yellow, darker in center, large, full, strong stem, and generally a first-class flower.

The first question asked was "What is the best early white chrysanthemum?" Mr. Christy preferred Mrs. Robinson for general purposes, and thought extra early chrysanthemums of any color no advantage. Then some one wanted to know a new bedding plant, but the only suggestions were crotons and tuberous begonias.

The next question brought out a debate, "Does it pay to save seed of flowering plants?" Mr. Christy thought it of the first importance especially in petunias and pansies. Mr. C. M. Wagner had experimented with cinerarias and thought we ought to try to improve. Mr. McRoberts said as almost all improvement had been effected by careful seed growing it would be a good plan for everyone to take some one or two things for pets and try to improve them. Mr. Flitton said we should have an ideal and select and cross fertilize with that end in view. He also gave a good many valuable hints on fertilizing and hybridizing, and referred to the long but remunerative work of a number of English firms in improving particular plants. It was suggested by Mr. Mc-

Roberts that professional seed growers could produce the small quantities needed by individuals of much better quality and much cheaper than they could be saved at home. Mr. Christy said the question of fraud must be considered as home-grown seed was not mixed with inferior strains or with seed two or three years old. Mr. Binder always saved his 'mum seed since buying very high priced seed, out of which he got one hundred and forty-five varieties, not one of which was retained; had much better luck with seed of own saving.

The point whether 'mums could be cross fertilized with absolute certainty was then raised and debated, Mr. Wagner thinking it doubtful if pollen did not get in from the stamens of the flower as well as that introduced. Mr. Binder was satisfied this was not the case if care was used. The best early dark 'mum, the next question, was decided to be G. W. Childs with Defender and Mrs. Drexel good seconds.

The following list of chrysanthemums was given in reply to an inquiry for best three pink, white, and yellow for commercial purposes. Pink, Maud Dean, Viviand-Morel, Glory of Pacific; white, Mrs. G. S. Kalb, Niveus, Minnie Wanamaker; yellow, Eugene Dailledouze, Mrs. Whilldin, Mrs. J. E. Lager. For three best late, Golden Wedding, Wanless and Mrs. Jerome Jones were given.

The next question was "What should a florist be?" Some one said, "anything but an Irishman," whereupon Brother Christy took up the cudgels and told of a German gardener who advised him never to set his plants under an oak tree because the oakum would come out of it and kill them. The next question was "What should a private gardener be?" Mr. C. M. Wagner thought that too much was expected at most places where one man was kept, milking cow, driving, caring for carriage horses, chickens, etc., being mentioned as some of the work commonly expected in addition to flower and vegetable growing. Thought all should study and belong to the club as a means of advancing themselves. Mr. Harrigan thought much depended on circumstances, a first-class man could make no show on a third class place. Mr. Christy said men frequently took places as gardeners, who were totally incompetent, and told of one who had taken the sori on some ferns for bugs and spent much time trying to clean them off. Mr. Wagner told of a place he had built up, by interesting the proprietor in the greenhouse.

Six white leaf plants for bedding were then given.—Santolina tomentosa, Cerastium tomentosum, Centaurea gymnocarpa, Echeveria sec. gl., Cineraria maritima, Gnaphalium tomentosum.

A letter from Mr. Thomas Cartledge of the committee on seedling chrysanthemums was read highly commending two seedlings of Mr. W. P. Binder's. Numerous small shows are being held round about, one at Lehman's Hall by the Y. M. C. A., one at Mt. Washington by the Lend-a-hand Club, one by Mr. W. H. Perot at his country place. MACK.

San Francisco.

NO CHANGE IN TRADE CONDITIONS—BONNAFFON MOST POPULAR CHRYSANTHEMUM.—VARIOUS FLOWER SHOWS—PERSONAL ITEMS.

There has not been much change in the conditions of trade in this city since my last notes. Mums are still the flower and the probabilities are that they will continue to be for several months yet as there is not an abundance of other flowers at the present time. A very large percentage of the outdoor flowers are about over but we still have a sufficient quantity for all demands. The rain did considerable damage to some of the growers who did not have their plants covered. As yet we have had no damaging frosts. Bonnaffon is about over now and Dailledouze has taken its place to a certain extent. Large blooms are bringing fairly good prices. There is a steady demand for cheap white 'mums for funeral work. Some of the growers have had considerable trouble with Mrs. Robinson this season when it was grown under glass, the flowers being so large and the stems so weak, the blooms were not saleable. Judging by the demand this season Major Bonnaffon has proved itself to be the most popular variety in the market.

Roses have taken a little jump in price during the last few days and are now 50 cents per dozen for average stock. Beauties are scarce. Very few Testouts are to be seen, and I understand that several of our leading rose growers have discarded it entirely. Violets do not seem to improve very much, and as yet the quality is very poor. This is particularly true of Marie Louise. The Golden Gate is showing up very well, but on account of its short stems will never become exceedingly popular. The new Princess of Wales is coming in freely, and commanding a good figure, closely pressed by the California. Few if any Lady Hume Campbell have made their appearance, Carnations of good quality are very scarce. There is a very good demand, but the supply seems to be short. Scott and Portia are still leading.

Mr. Chas. Mitton, formerly with the Sunset Seed and Plant Company, has accepted a position with Mr. E. W. McFallon at Burlingame.

The flower show given by the California State Floral Society, at 16 Post Street last week, was a success so far as number of visitors and quantity of flowers were concerned. All the lower shelves in the Board of Trade Building were removed and the space filled with different exhibits of cut flowers. There was a noticeable absence of professional chrysanthemum growers, probably owing to the fact that no prizes were offered to the successful competitors.

Mr. O. M. Patto, of Ocean View, made a display of his specialty, violets, showing many different varieties, the most admired among which was the Princess of Wales. He also showed the other commercial varieties. Mrs. Sachan showed a large variety of roses, violets and begonias which attracted much attention.

C. Abrahams, nurseryman, exhibited quite a collection of ferns and palms, choice commercial varieties. They were all well grown and good stock and reflected much credit on their grower. Golden Gate Park was on hand with the largest collection of chrysanthemums, both cut blooms and potted plants. Some finely grown Bonnaffon, Viviand-Morel, Queen and Niveus were shown. This display attracted much attention by its neat arrangement. Mr. E. Gill, of Oakland, had the largest and best collection of roses in the hall, showing over 100 different varieties. This was a very creditable showing for this season of the year. The show lasted one day and one night.

The chrysanthemum show to be held in Stockton promises to be very successful. Invitations have been sent out to all the different growers to exhibit. This is the first chrysanthemum show held in this city and the society is doing its utmost toward making it a success.

Mr. Alfred Parker and Mr. Arthur Coan, who have been known as the Gardeo City Floral Company, of San Jose, have dissolved partnership and Mr. Edw. Parsons assumes control of the concern.

Mr. E. H. Bourguegnon, of San Jose, is building a very fine new rose house, and when completed will be the finest in the neighborhood.

Mr. Lester Morse, Mr. J. M. Kimberlin and Chas. Parker, seed growers, are now on their Eastern trips.

The chrysanthemum show at Cloverdale opened last week under very favorable conditions and was well attended. There were quite a number of exhibits, mostly made up of amateurs, several of whom showed some very finely grown stock. As it was the first affair of its kind ever given in this place the show was well patronized during its progress and a substantial sum was netted the Floral Society.

The flower show which was given at Redwood City did not prove to be much of a financial success owing to the very disagreeable weather that was experienced during the show. However the society did not suffer a loss.

Mr. Sidney Clack is sending in some extra good lily of the valley which is bringing good prices. Mr. Clack is probably our most successful grower of this flower, and annually forces many thousands of pips. METEOR.

Buffalo.

BUSINESS FAIRLY GOOD.—VISIT TO VIOLETVILLE—FORTY GROWERS OF VIOLETS IN ONE LOCALITY—HOUSES OF THE POUGHKEEPSIE GROWERS—A TRIP TO ALBANY.—NEW CARNATIONS AT UTICA.

Business is fairly good and promises to be better. It is a fact that after the first two weeks of the chrysanthemum season the demand began to drop. Perhaps a large lot of the midseason varieties coming in made the demand appear lighter than it was. Nothing has gone to waste with us yet, and is not likely to. I have heard more than one eastern rose grower say last week he wished they were banished from the land. We don't. They come mighty useful just now and will be gone soon enough. Violets are in good demand and more could be sold here.

I can't give much news of my brother florists, for I have been a week away from their more or less elevating society. I have been down the Hudson River as far as Poughkeepsie, which should be called Violetville. They have a fine place in the little city for a 'mum show, and I think the quality of flowers was equal to anything I have ever seen in the large cities. A local scribe will doubtless tell your readers all about the show, so I will not trespass on his domain. It was a great pleasure to meet so many sterling gardeners as hereabout make their home, as well as the commercial men, who are jolly good fellows. Mr. Lynch will not let you suffer any protracted drought and the energetic Secretary, Mr. Gommersall, likes genial society. Mr. Henry Siebrecht and Charlie Weathered gave the meeting a metropolitan air, while Peter Crowe and Sammy Goldring cast a rural radiance over us.

To one who has never stopped off in this lovely neighborhood the violet growing industry is a revelation. I don't be-

lieve there is anything in the air or anything in the soil that other localities have not got. I think it is simply in the men. Whoever sees and knows Messrs. George and William Saltford can quickly see that these solid men are students in their chosen specialty, and doubtless would be successful with any plant they turned their attention to. Rhinecliff was too far away for us so we had to be content with a visit to Mr. William Saltford. We went twice, and the visits repaid us well, even if we had broken a leg to get there. Five or six thousand a day is the pick, and the little beauties will about cover a silver dollar. They are so easy to grow, and it's so simple when you know how. Any style of house seems to do. The roofs of some were very flat and of others steep, but all the same the violets were there, and houses ran east and west as well as north and south, with results about equal. These gentlemen were the pioneers in the violet business in that section, but now they have plenty of imitators, no less than forty different people shipping violets daily from Poughkeepsie. That's plenty; don't go there; go to some big town in Ohio and grow them, for I know one big city in Mr. McKinley's state that buys all her violets.

All good things must come to an end, so we had to leave our friends under the high bridge and skip to Albany. What a glorious ride on a perfect day! A ride of eight miles out of the city famous for its big building on the hill and its pure water supply that has proved fatal in so many cases when taken straight, landed us at the growing establishment of Goldring Bros. It was my first visit, and I was amazed at the extent of glass. We found Mr. Fred Goldring deep down with a gang of men repairing a sewer, while Brother Sam was "on the Bowery" without permission. In a place where such a variety is grown it is impossible to comment on many, but if there was one thing better than another it was half a dozen long houses of violets. Great as are the violets of Poughkeepsie, these were about as good. You should not leave Albany without looking at the store of Mr. H. G. Eyres on Pearl street. The appointments are perfect and the taste displayed exquisite, even to the dress of the young men, whom you politely tell that you are not a customer but merely having a look.

We tried to pass Utica and remain on the train, but the herculean strength of Peter Crowe pulled us off. We were not sorry, for we saw how humbly young Mr. Frank Baker takes the honor of Alderman elect. Mr. Baker's two new carnations, "Oneida" and "Red Jacket," are in my opinion very promising. The former is a real pure pink of great size and substance and a profuse bloomer. We saw most all the boys, old and young, and one of the best sights was the fine long-stemmed roses grown on upper Genesee street. W. S.

Chicago.

MARKET FAIRLY ACTIVE.—SHOW HELPS TRADE.—BANQUET OF FLORIST CLUB.—ENJOYABLE EXCURSION —MANY VISITORS.

The market this week has been fairly active. The demand, however, has been to a large extent for the best grade of stock, while inferior quality, more particularly in roses, went very slow. On account of the show A1 stock of Beauties, Kaiserins and Carnots were at a premium. Ordinary good stock in the colored sorts is about equal to demand. Brides, however, appear to be overstocked. Carnations are none too plenty and even the poorer grades, though at low figures, move quite freely. There seems to be a constantly increasing demand for red; good stock of these is decidedly scarce. Tidal, which in a pinch often serves as red, has so far been too short-stemmed to be of much account. This sort is, however, improving rapidly in this respect.

Chrysanthemums are at their best this week. Although prices are lower than in former years, the demand is sufficiently large to market pretty much all the stock sent in, at fairly good figures. Violets are improving but still short of demand. Prices remain about the same as last quotation.

The annual banquet of the Florist Club on Thursday evening was a very pleasant affair. Fifty-three were present, including about ten guests from out of the city. After the menu had been discussed, entertaining addresses were made by Messrs. A. H. Fewkes, Newton Highlands, Mass; E. G. Hill, Richmond, Ind.; Harry Balsley, Detroit; C. B. Whitnall, Milwaukee; A. Dimmock, St. Albans, Eng.; Chas Dannacher, Davenport, Ia.; J. T. Temple, Davenport, Ia.; A. Klokner, Milwaukee; J. A. Evans, Richmond, Ind.; A. Bauer, Rockford, Ill.; J. C. Vaughan, Edgar Sanders; W. N. Rudd and others. C. W. McKellar, Chas. Balluf, James Hartshorne and A. Dimmock favored the company with songs. The party separated at a late hour, having passed a very enjoyable evening.

C. Frauenfelder, the West Madison street florist, has been seriously ill but is now improving.

The florists' excursion to the conservatories of Mr. Nathan M. Freer, at Oak Park, where genial Geo. Baldwin is gardener, was much enjoyed by those who participated. The party was entertained with open handed hospitality.

Visitors: Elmer D. Smith, Adrian, Mich.; H. Weber, Oakland, Md.; Challenge Ventilator Evans, Richmond, Ind.; A. Dimmock, St. Albans, England; Fred Dorner, Jr., and T. A. Dorner, Lafayette, Ind.; Harry Bayersdorfer, Philadelphia; J. C. Rennison, Sioux City, Ia.; Harry Balsley, Detroit; F. Lemon and wife, Richmond, Ind.; J. A. Valentine, Denver, Colo.; Miss Mullman, Cumberland, Md.; John Berterman and Henry Rieman, Indianapolis; E. G. Hill, Richmond, Ind.; Albert Sunderbruch, Cincinnati; A. C. Brown, Springfield, Ill.; Chas. Dannacher, Davenport, Ia.; C. B. Whitnall, Milwaukee; W. H. Ellis, Milwaukee; L. L. Olds, Clinton, Wis.; Wm. Schuchr, Milwaukee.

The attendance at the chrysanthemum show has far exceeded that of any previous year so far.

During the show Stollery Bros., of Argyle Park, kept on exhibition a vase of their new carnation Argyle. From comments passed on by growers they have every reason to expect a large sale when introduced next March, the opinion expressed being that it will supersede the old favorite Tidal Wave, as the color is a decided improvement on that variety.

Seasonable Notes.

CARE OF PERENNIALS, SHRUBS AND VINES SHOULD BE COMPLETED THIS WEEK.

In speaking of how gardens should be cared for, the writer wishes it to be understood that the northern and western states are referred to in particular. Florists catering to the retail trade are requested continually, to take care of grounds or give information that will enable others to do so. Such questions are asked as—What shall I do with my clematis this fall? My climbing rose was not a success, what had I better do with it? Should I not cut back my shrubbery now? What is the warmest way to cover vines, etc? To give inquiries of such a nature, acurate answers, it is as necessary to see the grounds and plants, as it is for a tailor to see the person he is to clothe, but a general method of observation and practical work can be explained, which must be mixed with brains before using.

The ground this season is dry; up to date we have not had the usual amount of fall rains. As one of the objects in covering is to exclude the water (which if allowed to fill the crevices and freeze, thereby excluding the air will smother the plant, and we call it winter killed) it is necessary to insure the requisite amount of moisture before covering is done. In doing this, the best way is the cheapest and most satisfactory. It is the fibrous roots which are the first to assimilate the moisture and nutriment, with these roots taken care of the balance require little or no attention from the garden. On a plant recently set out they will be most numerous, close to the stem and around the "original ball," but they soon lengthen and penetrate the ground more rapidly where they find good soil; the more "open" the ground the deeper will roots grow. In order to water properly, you must know where these "working roots" are. The foliage most always explains the situation for it is the nature of every plant to shed water, so as to fall on the "working roots." A pandanus or dandelion turns water down stem, because they have a "tap root," an elm tree sheds water frequently like an umbrella, but if planted in deep rich ground with a moist bottom, it will make strong upright growth and shed most of the water close to stem. A Norway spruce is careful to cover the ground well over the roots, etc.

After determining where your working roots are, bore a hole with a fence auger, you can get a good one for 60 cents, go 3 feet deep and have the hole just a trifle beyond the roots. Put in a few pounds of sheep manure or other good fertilizer, pour in gently at least half a barrel of water. It will permeate the ground at a depth, insuring a constant supply of vapor upward all winter. The top or surface of ground being still dry prevents too rapid evaporation, at the same time remains open to admit air, *a most necessary* factor in preserving life through the winter. After watering fill holes with *good soil* (don't put back the original) cover the ground with a "non conductor"—leaves are the best—with a thin layer of straw or hay to shed water, to turn off sun's heat, and at the same time admit air. There is no shrub, tree or perennial but what will be benefited by such treatment. It is also well to bind the stems up for a distance, or in some cases bend the tops over and cover completely to hold the cover; a few pegs driven in the ground to hold twine stretched across is much better than laying on boards or heavy material.

As for pruning, it is as well and easier to do properly in spring, after new growth is started, because there is no guessing then where the strong shoots are the principal object being to insure all the light necessary for perfect development of the stronger shoots and cutting back enough of the inferior wood to insure this condition. The grass should be allowed to grow quite long in October; it will protect its own roots well if you allow it to have its own way as winter approaches. In spots, where it is usually killed during winter, it may be saved by

a few pieces of brush, holding a quantity of leaves in some places. This is unsightly but is a good remedy where it can be endured. C. B. W.

Harry Visits Omaha.

DEAR PAL:—When the editor of the "*Yankee Florist*" wrote to me and sez he, "I want you to go out west to Omaha and look over the city and see what them 'ponnickers' are doing out there." I jes tuk fright and had visions of indians, buffalo and sech. However, I ambles round to our general store, gathers up a couple of derringers and a bowie knife and sez I'll see what them fellers is doing out thar anyway. So I packs me carpet bag, puts in an extra boil'd shirt and a pair of jumpers, embraces the folks, and buys a ticket on the emmigrant express.

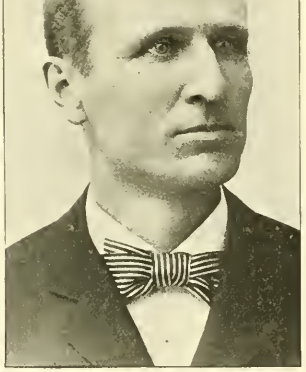
Well, Bill, after we had been scuttering thro' big towns and little towns and stepped off at a city whar folks was skating on the river (and it was summer time too mind ye) we scuttered some more thro' corn fields with corn (I never see sech corn), corn as high as some of the sojers monuments we have down east, we come to a big river, again mostly land and a town. Sez I, "what place is this pard?" And sez he, "Council Bluffs." Then sez I, "who's he?" and I reaches for me derringer. Well Bill it turned out to be a real large town, and sez he, "Yez see them abbatoirs over there? well," sez he, "that's Omaha." Sez I, "are there any florists over there?" And then he looks around and I suspects he is looking for his gun, so I turns the subject, but he comes back at me agin and sez he, "I spose they belong to the same order as you eh!" Then he looks at my badge, "S. A. F. A. O. H." and of course I had to admit it, but I could not give him the grip cause I only had my carpet bag with me.

Then he looks at me again kind of sadder like and sez, "I spose you are going over to learn the business, eh!" Of course I explained to him I was an eastern florist, so I could learn nothing over there; anyway, sez I, "what will it cost to drive me over with that thar mule of yours?" Then he sees I am a stranger, and instinctively I put my hand over my badge and my hand on my gun. "Don't get skeert," sez he, "I was a florist myself till I tuck sick cleaning scale off some palms you fellers sent out here; since then I have been hand picking bugs off the potato patch and carting grunts out of the pig-iron factory. You take the lectric car over the bridge," sez he, "and you'll be there in less time than it takes to find a consignment of 2-inch roses in one of those soap boxes you fellers ship out here. Say, you must think we are a lot of worm diggers; say, you wait till you get over to Omaha and you'll jump or I'm no weeder; so long."

Wal I jumps aboard and was figgering all the time what kind of people these far western florists looked like, and I was spectiag to see long, lean, laak fellows with their pants tucked in their boots, Pefferian whiskers and sech. Bless ye, bill, I was the most surprised feller you ever seed. The furst one I run agin was as good looking a chap as ever I seed in the east, no dude nor cowboy he, and chock full of knowledge and things about growing plants (maybe he'd been reading Scott's notes). Anyway sez I, "I spose you heard about us florists coming out here next summer." "Heard it," sez he, "we heard it the same day." "Well, I swan, you folks are right up to date ain't ye?" "Yes, but we don't try all the new roses you eastern men send out." "No" sez I, "there are a great many" and then I caught on. Sez he, "let me show you the city," and so we trundled along and we called at a great many "floral establishments." Say, you'd think you was east. I most lost my head. The place is an eye-opener I can tell you, and the city, bless ye Bill, it is a grate big hustling town; high buildings, hotels, 'lectric cars, policemen, city chaps with high collars and low shoes, and the "wimmen," they'r great, that is assorted sizes, but all the world like the gals in our town, ejjecated and fine dressed. Say, I think I'll live out here instead of doing literary work.

"Well," sez I, "you've got a grate town and I'll write my friend all about it. I'm sure you'll take good care of us. Some of them eastern fellers think you are out in the woods and don't raise nothing but corn and pumpkins and taters and don't know an American Beauty from a razor-backed hog. I swan if you aint just opened my eyes." But I'll write more later Bill of the inducements and sich. I can't write any more, cause, well everything is so like home. No thanks pard, I'll take a cigar this time. Yes I'm feeling right smart, thank you; right smart.

Yours as ever, HARRY.



F. W. TAYLOR.

Supt. Agriculture, Horticulture, Forestry and Irrigation at the Trans-Mississippi and International Expositional at Omaha.

F. W. Taylor.

We present herewith a portrait of Mr. F. W. Taylor, superintendent of the departments of agriculture, horticulture, forestry and irrigation of the Trans-Mississippi and International Exposition to be held at Omaha, June to October next year. To his efforts was due the vote which selected Omaha as the convention city for 1898. If he is as successful in working up the attendance at the convention as he was in securing votes at Providence the success of the Omaha convention is assured. He reports that many large eastern florists and seedsmen have already arranged for space in the horticultural department of the exposition and is confident that the display at Omaha next year will be representative of the whole country and a credit to the profession.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—By good salesman and designer. Address SALESMAN, care Am Florist.

SITUATION WANTED—By first-class, all-round man, 25 years' experience, single, reference first-class. Address. N G W, care Am. Florist.

SITUATION WANTED—As rose grower, foreman; can supply good Chicago references; age 29, single, German. Address METEOR, care Am. Florist

SITUATION WANTED—As foreman or otherwise by young man well up in all branches of the business, 14 years' experience, good references, abstainer. Address P. O. Box 884, Knoxville, Tenn.

SITUATION WANTED—Under foreman in greenhouses, well up in all branches of the business; first-class references Address FLORIST, 9123 Erie Ave., Chicago.

SITUATION WANTED—Private or commercial; have been running present place as both for last 8 years; 6000 feet of glass, etc. Life experience. Age 40; married. Address JOHN MCMILLAN, St. Albans, Vt.

SITUATION WANTED—By German gardener, long years' experience in all branches; good rose, cut flower and general greenhouse stock grower; competent to take charge of small place. Address R, Spraul's Hotel, 20 Market St., St. Louis, Mo.

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WANTED—Six plantsmen for palm and fern departments. Also two packers. State last employer. ROSE HILL NURSERIES, New Rochelle, N Y.

WANTED—An experienced fireman, sober and thoroughly reliable. Address PROBST BROS. FLORAL CO., Kansas City, Mo.

WANTED—Farmer, man and wife, without children, to take charge of farm. Answer by letter only to MR. TAYLOR DICKSON, 320 Walnut St., Phila.

WANTED—To rent or lease greenhouses with from 15,000 to 18 000 feet of glass and prospect of buying. M. RASMUSSEN, West Toledo, Ohio

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Orders for less than one-half inch space not accepted.

Advertisements must reach us by Thursday to secure insertion in the issue for the following Saturday.

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The remarkable way in which our advertisers have taken advantage of the special rates made for this chrysanthemum number has convinced us of the advisibility of making these advertising prices permanent, and from this date our rate will be $1 per inch of 14 agate lines, with the same liberal discounts as before on time contracts.

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Newport, R. I.

At the meeting of the Newport Horticultural Society on Wenesday evening, October 27, there was a display of fine chrysanthemums and other interesting flowers. Robert Laurie was awarded a bronze medal for seedling chrysanthemum, Peter Kay, and Andrew Meikle received a bronze medal for gardenias.

Wholesale Markets.

Cut Flowers.

CINCINNATI, Nov. 11.

Roses, Beauty select	25.00
" " medium	15.00@20.00
" " short	6.00@10.00
" Brides, Bridesmaids	2.00@ 4.00
" Meteors	3.00@ 4.00
" Morgans	3 00
" Perles	2.00@ 3 00
Carnations	1.00
" fancy	1.50@ 2.00
Valley	4.00@ 5.00
Narcissus	4.00
Violets	.50@ 1.00
Chrysanthemums extra	10 00@15.00
" medium	5.00@ 8.00
Cattleyas	50 00
Smilax	12.50
Adiantums	1 00
Asparagus	50.00

ST. LOUIS, Nov. 11.

Roses Beauties	10.00@20 00
" " short	5.00@ 8.00
" Meteors Kaiserin	1.00@ 2 00
" Brides, Maids	1.00@ 2 00
" Mermets, La France	1.00@ 2.00
" Perles, Wootton	.50@ 1.00
Carnations fancy	1.00@ 2.00
" common	.50@ .75
Valley	4.00
Violets single	.25
" California	.40
Chrysanthemums fancy	10.00@25.00
" common	6.00@ 8.00
Smilax	15.00@18.00
Adiantum	1.00
Asparagus	.35 00@50.00

BUFFALO, Nov. 12.

Roses, Beauties	8.00@25 00
" Brides, Bridesmaids	3.00@ 6.00
" Meteors, Mermets	3.00@ 5 00
" Niphetos, Perle	2.00@ 4.00
" Kaiserin	4.00@ 6.00
Carnations	.75@ 2.00
Valley	4 00
Violets	.75@ 1 00
Chrysanthemums	5.00@20.00
Smilax	12.50@15.00
Adiantum	.75@ 1.25
Asparagus	.50@ .75

MILWAUKEE, Nov. 11.

Roses, Beauty, extra	20 00@25.00
" " medium	8.00@12.00
" " short	2.00@ 6 00
" Brides, Bridesmaids	1 00@ 4.00
" Meteors, Perles	1.00@ 4 00
Carnations	.50@ .75
Violets	1.00
Mignonette	1 50
Valley	3.00
Chrysanthemums	2.00@12.50
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Adiantum	1.00
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" Brides, Bridesmaid	2.00@ 3.00
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" Kaiserin	2.00@ 5.00
" Carnot	5.00
" Niphetos, Perle, Gontier	2.00@ 3.00
Carnations	.50@ .75
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1526 RANSTEAD STREET,
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CONSIGN TO BUY FROM
M. A. HART,
Commission DEALER IN Cut Flowers,
113 WEST 30TH STREET,
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THE BEST MARKET IN NEW YORK.
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Cut Flowers.

NEW YORK, Nov. 10.

Roses, Beauty, extra	20.00@25.00
" " medium	5.00@15.00
" " short	1.00@ 3.00
" Brides, Bridesmaid, Meteor	.50@ 3.00
" in 1,000 lots per 1,000	2.50@10.00
Carnations	.35@ 1.00
Valley	1.00@ 2.00
Violets	.50@ .75
Harrisii	8.00@12.00
Chrysanthemums	2.00@12.00
Adiantum	.50@ .75
Smilax	6.00@10.00
Asparagus	35.00@40.00

BOSTON, Nov. 10.

Roses Beauties	6.00@25.00
" Gontier, Perle	1.00@ 2.00
" Bride, Bridesmaid, Meteor	2.00@ 5.00
Carnations	.75@ 1.50
Valley	2.00@ 4.00
Chrysanthemums	4.00@16.00
Adiantum	1.00
Smilax	10.00@12.00
Asparagus	50.00

PHILADELPHIA, Nov. 10.

Roses, Beauties, select	20.00@25.00
" " medium	12.00@16.00
" " short	6.00@ 8.00
" Brides, Maids	2.00@ 4.00
" Meteors, La France	2.00@ 4.00
Carnations	.75@ 2.00
Valley	3.00@ 4.00
Chrysanthemums fancy	10.00@20.00
" ordinary	8.00@12.50
Violets, double	.50@ .75
" single California	.25@ .40
Smilax	10.00@20.00

John I. Raynor,
49 WEST 28th STREET,
NEW YORK.

SPECIAL EXTRA STOCK OF
AM. BEAUTY, METEOR,
BRIDESMAID, BRIDE.
Record Breaking Carnations
ALL THE YEAR ROUND.

American Beauty
and all other choice Roses in unexcelled quality.
Carnations, Mignonette, Cattleya and Valley.
THOS. YOUNG, Jr.,
43 W. 28TH ST., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE
FLORIST,
39 West 28th Street, NEW YORK.
Roses shipped to all points. Price list on application

Edward C. Horan,
34 W. 29th Street, NEW YORK,
WHOLESALE • FLORIST.
Careful Shipping to all parts of the country. Price list on application.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.
WELCH BROS., PROPRIETORS.
Consignments from regular growers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.
THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

TRAENDLY & SCHENCK,
Wholesale Florists,
Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.
38 West 28th St., and Cut Flower Exchange,
Tel. 961 18th Street. NEW YORK CITY.

J. K. ALLEN,
Wholesale Florist,
57 West 28th Street, near 6th Ave. Elevated R. R. NEW YORK,
BEAUTIES AND VIOLETS, SPECIALTIES.
Consignments Solicited.

JAMES M. KING
is completing additions which will make his store THREE TIMES AS LARGE as at present.
CUT FLOWERS, WHOLESALE.
Growers for New York market please call or write.
49 WEST 29TH ST., NEW YORK.
TELEPHONE 1675 38th St.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE A. SUTHERLAND,
Cut Flowers AND Florists' Supplies
WHOLESALE.
67 Bromfield St., BOSTON, MASS.

Wholesale Florists
ALWAYS ON HAND: CARNATIONS, BRIDESMAIDS, BRIDES.
JOBBERS IN FLORIST'S SUPPLIES.
N. F. McCarthy & Co.
FLORISTS' VASES.
Horticultural Auctioneers,
84 HAWLEY STREET, - BOSTON.

Asparagus Plumosus Nanus.
Strings 10 to 12 feet long,
50 CENTS.
W. H. ELLIOTT, Brighton, Mass.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
Price list on application.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange, NEW YORK.

JULIUS LANG,
Cut Flowers on Commission.
53 WEST 30TH STREET,
.... NEW YORK.

MacDONALD & McMANUS,
ORCHIDS EVERY DAY.
WHOLESALE DEALERS IN CUT FLOWERS,
50 W. 30th St., NEW YORK.
Telephone 2778--38th Street.
SOLICIT SHIPMENTS ON COMMISSION. BEST MARKET PRICES.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Henry Phillips and Sons.

We give herewith portraits of Henry Phillips and Sons, representing the Henry Phillips Seed and Implement Co. of Toledo, O., who have lately been awarded the government seed contract. Henry Phillips, Sr., who established the business in 1852, died February 28, 1896, since which date Henry J. Phillipps, Jr., and W. T. Phillips have had active management of the business. Mr. Henry Phillips, Sr., was an active member of the American Seed Trade Association and with his wife attended the Toronto meeting of the association in June, 1894. He also attended the Detroit meeting in 1895. In his home city, Toledo, Mr. Phillips was well and favorably known among his fellow citizens. He was prominent in many city improvements as well as in real estate matters; he was also a member of the City Council and Produce Exchange.



HENRY PHILLIPS AND SONS.

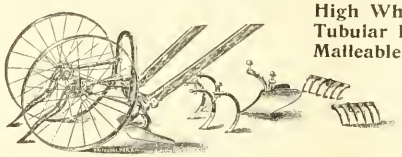
B. F. BROWN, of Brown Bag-Filling Machine Company, returning from a Western trip called at Chicago, November 11. Mr. Brown is satisfied that the most satisfactory solution of the Government seed distribution question lies in the purchase of seeds in bulk by the Department. The Secretary, Mr. Brown says, is in favor of this policy and the result he believes would be a distribution of the newer and rarer kinds which would interfere less with the legitimate business of the seedsman.

SECRETARY WILLARD, of the Seed Trade Association writes that a new order has been issued by the traffic committee to the express companies, dated November 1 and taking effect November 10, allowing the 20% special reduction on all seeds shipped in cloth bags or boxes. This new ruling will be good news for the trade, and in good season for spring business.

POUGHKEEPSIE, N. Y.—On account of the exhibitions the regular meeting of the Dutchess County Horticultural Society, called for November 10, is postponed until November 17.

LOWELL, MASS.—Paul R. Burtt, for a long time connected with leading florists in this city, has opened a place for himself at the corner of Bridge and Merrimac streets.

The "IRON AGE" Garden Implements



The "Iron Age" Double Wheel Hoe.

High Wheels
Tubular Frame
Malleable Castings

MAKE THEM THE LIGHTEST, STRONGEST AND EASIEST RUNNING . . . . . .

Our "Iron Age" Double Wheel Hoe can be converted into a practical Single Wheel Hoe, and also a Seed Drill in a moments' time. When using the combined machine as a Wheel Hoe the Seed Drill attachment is not in use. Saves wear.

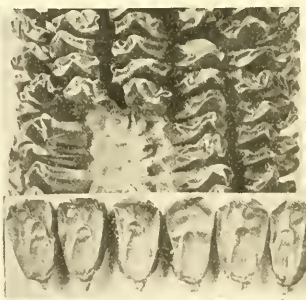
SEEDSMEN who are looking for a complete line of satisfactory garden tools at right prices should write for the "Iron Age Booklet" for 1898 and dealers' prices.

Bateman M'f'g Co. BOX 184 GRENLOCH, N. J.

August Rölker & Sons
WHOLESALE DEALERS IN
SUNDRIES
For Florists and Horticulturists.
New Fall List mailed free to all applicants in the trade.
52 Dey Street, NEW YORK.

FAXON'S "WHITE HOUSE" PANSIES.
The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.
In Trade Packets at $1.00 each.
M. B. FAXON,
Lock Box 1528. BOSTON, MASS.
Correspondence solicited.

JOSEPH BRECK & SONS, CORP'N.



GROWERS OF PEAS, BEANS AND SWEET CORN
JOBBERS AND DEALER IN
GARDEN SEEDS
OF ALL KINDS.
TRADE LIST ON APPLICATION.
18 N. CLARK ST. CHICAGO.

TO THE SEED TRADE

The BROWN Bag Filling Machine

PUTS UP SEED with absolute accuracy, at the rate of 30,000 packets per day and at an expense of less than one dollar for operating expenses. The value of the seed saved by the use of the machine is largely in excess of the entire cost of putting up the seed by any method.

CAN ANY PROGRESSIVE SEEDSMAN AFFORD TO DO WITHOUT IT? . . . . .

The Brown Bag Filling Machine Co. FITCHBURG, MASS. U. S. A.

"JADOO"

PLANT YOUR SPRING BULBS IN JADOO FIBRE

AND

WATER THEM WITH JADOO LIQUID.

We will offer Cash Premiums at all Exhibitions in 1898 for all plants grown in JADOO that win scheduled First Prizes.

CORRESPONDENCE SOLICITED.

THE AMERICAN JADOO CO. 815 Fairmount Ave. Philadelphia, Pa.

Chance to Make Money

BY PURCHASING

BULBS

AT CLOSING OUT PRICES

As below. Stock in excellent condition.

CHINESE NARCISSUS TRUE, 50 bulbs, $1.50; 120 bulbs, $3.00; per 1000 bulbs, $27.50.

Lilium Longiflorum Bermuda, 5-7 inch. per case, 500 bulbs, $8.50.

Lilium Longiflorum Japan, 6-8 inch. per case, 500 bulbs, $8.50.

Lilium Longiflorum Japan, 7-9 inch. per case, 300 bulbs $10

White Roman Hyacinths, 12-15 cent per 1000, $17. 11-12 cent 1000, $12.50

Paper White Narcissus.....1000 $6.50
Buttercup Oxalis.....1000, $5.00
Freesia Refracta Alba.....1000, $6.00
Lily of the valley for Christmas flowering (from cold storage), $10.00

Also a limited quantity of select forcing and bedding Hyacinths, Tulips, Narcissus and Crocus at

Astonishing Low Prices to Close Out

CASH WITH ORDER.

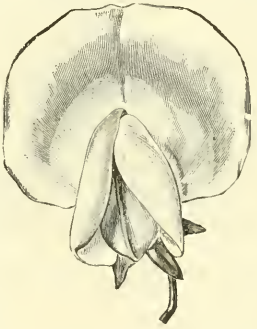
C. H. JOOSTEN,

IMPORTER.

193 Greenwich St. **NEW YORK.**

Orders now booked for Spring Delivery of Hardy Dwarf and Tree Roses, Clematis, Snowballs, Hardy Azaleas, Rhododendrons, Tree Hydrangeas, etc., from the Boskoop Holland Nursery Association.

Sunset Seed & Plant Co.



Contract growers of

Sweet Peas

for the wholesale trade.

Contract orders solicited.

Sunset Seed & Plant Co. 427 SANSOME STREET, SAN FRANCISCO. CAL.

FOR SALE.

A FINE COLLECTION OF

ESTABLISHED CACTUS PLANTS,

about 800, costing over $600; can be bought for $200.

E. S. SCHMID, 712 12th St, Washington, D. C.

INDIAN BRANDS.

PURE BONE FLOUR.

Ammonia.....4.50 per cent.
Bone Phosphate.....50.00 per cent.

POSITIVELY NO ACID.

Send for samples, price, references.

CEO. S. BARTLETT, 1255-57 W. 6th St. Successor to Cincinnati, O.

CINCINNATI DESICCATING CO.

Our Trade Directory

☞Please send us your business card if you have changed your address or firm name since our last book was issued.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Stem Rot of Carnations.

We are troubled with dry or stem rot among our Portia and Scott carnations. It started after the cuttings were made and put in the sand but not to any great extent. Some few died of it in the field, and now they are dying off in the house. Will you kindly advise us what to do. They were propagated in ordinary road sand. S. & W.

Stem-rot is the most dangerous disease the carnation is troubled with. A plant affected is lost; even if it does not show any visible signs it will succumb earlier or later. Therefore the first step to check the disease is to remove any plant that is showing the least sign, and not remove it carelessly, but be sure to take the soil for two to three inches around the stem with it; this is to prevent the spreading of the disease.

As I have said, a plant affected is lost, so all our efforts must be devoted to prevention; such as the spraying with the copper solution, and this should be so directed that it thoroughly washes the foliage and runs down on the branches and stem, making a settlement around the same on the soil. Flowers of sulphur can also be used; put a handful or two in a piece of cheese cloth, forming a dusting bag, only large enough to hold it between the plant, and dust the branches at their base, stem, and soil around the plant.

In fact any fungicide will be of benefit, but only remember that it is not needed on the foliage but on the soil, stem and lower part of the branches. Other general rules that never should be neglected are good ventilation and applying sulphur on the heating pipes.

FRED. DORNER.

Andover, Mass.

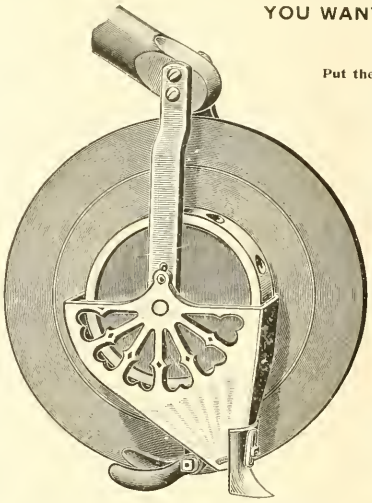
The recently organized Gardeners' and Florists' Club held its first chrysanthemum show on November 5–6. The display of chrysanthemums was excellent, the only criticism possible being that the stakes used to support the blooms on the pot plants were too numerous. The showing of carnations was especially fine, many of the most notable new varieties being staged. Edith Foster was particularly good. This variety seems to improve with age. The collection of ferns was very creditable, of violets fair and the loan of palms, tropical plants, etc., "for exhibition only" contributed in a large measure to the success of the show.

BARGAINS IN BULBS

	Per 1000
Roman Hyacinths, 11-12 ctm.	$12.00
" " 12-15 ctm.	17.50
Single Dutch Bedding Hyacinths, in sept. colors.	20.00
" " Forcing " "	23.00
" " Named " in sorts, 2nd size	30.00
" " " " " 1st size,	45.00
" Tulip Jacht van Delft	4.50
" " La Reine	4.00
" " Cardinal's Hat	4.00
" " Duchess de Parma	4.00
Lilium Longiflorum, Japan, 6-8 inch.	18.00
" " " 7-9 inch.	35.00
Narcissus Trumpet Von Sion	9.00
" " Princeps	7.00
" Double Von Sion, 2nd size	10.00
Single Tulips, finest mixed.	3.50
Double Tulips, finest mixed	4.50

CASH WITH ORDER.

HULSEBOSCH BROS.
ENGLEWOOD, N. J.
Mention American Florist.



YOU WANT IT TO USE
YOU WANT IT TO SELL

Put the **Eureka Kitchen Garden and Hot Bed**

Seed Drill

In your 1898 Catalogue.

Sows and covers Beets, Cabbage, Carrots, Celery, Lettuce, Onions, Radishes, Spinach, Turnips, and all similar seeds whether vegetable or flower. Just the thing for a

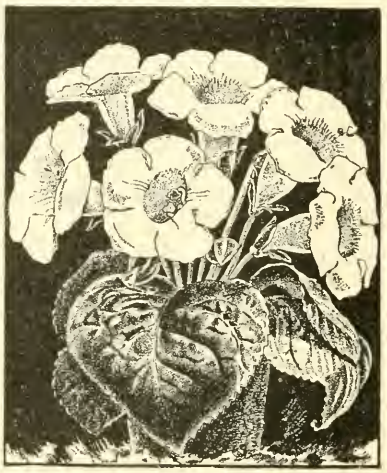
Kitchen Garden, Hot Beds and Flower Gardens.

Sows a small pkg. of seeds. It saves time and seed. The work is easy as you stand in an upright position, you get a better stand and better plants.

Retails for only $1.50
To the trade $9.00 per dozen.

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HEINEMANN'S SEED NOVELTIES.

1898.

Myosotis alpestris stricta cœlestina.
Sky blue, actually pillar shaped, a striking novelty.

Salpiglossis variabilis superbissima.
A great improvement, best suited for American climate.

Begonia hybrida gigantea "Mammoth"
Unsurpassed as bedder or pot plant. Flowers of immense size, lovely pale scarlet.

Viscaria oculata "Blood Brown."
Quite an original color, never seen in any other flower.

Cabbage, Erfurt Round Sugar (Weisskraul), 1897.
The finest pickling sort in cultivation. Whoever tastes it is convinced of its superior quality. Excellent keeper, good size.

Gloxinia crassifolia "Her Majesty Queen Victoria." '98.
Pure white, best for the market.

F. C. HEINEMANN, Seed Grower, ERFURT, GERMANY.

Fine Roses,
Carnations,
Chrysanthemums
and Smilax.

FRED. BURKI,
Wholesale Florist, BELLEVUE, PA.
Long Distance Phone No. 5, Bellevue.

CHINESE PRIMROSES.

	Per 100
Strong and well grown. Last call	$2.50
PANSY PLANTS	$3.50 per 1000; .60
BEGONIAS	3.00

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, O.

THE NICK OHMER STRAWBERRY

The best Strawberry I have ever grown. It has all the good qualities and none of the poor ones **$55.00 per 1000** to the trade.

WRITE FOR CIRCULAR.

Also **CHOICE GLADIOLUS BULBS** at prices that will suit you.

M. CRAWFORD, Cuyahoga Falls, O.

When writing to any of the advertisers on this page please mention the American Florist.

Breen's Patent Finger-Spade for Weeding.



IS SECOND TO NONE

Fitting the finger like a glove almost the smallest weeds can be taken up without any trouble and preventing the finger nail from being injured through contact with the earth.

In all sizes to suit ladies and gentlemen. Ladies can also wear it over a glove.

Price, 10c; or by mail, 12c; $7.00 per gross, or 70c per doz., delivered in any part of U. S. or Canada; half gross orders at gross rates; larger quantities at a reduction.

FRONT VIEW.

Sole Agent for states New York, Illinois and Penna.

J. C. VAUGHAN,
14 Barclay St., NEW YORK. 84 & 86 Randolph St., CHICAGO.

For samples, specimen show card and further particulars, address

T. W. BREEN,
P. O. Box 2118, SAN FRANCISCO, CAL.

Plant Seed Co.

ST. LOUIS, MO.

REPRESENTATIVE

Wholesale and Retail House in the South West.

W. and D's CELEBRATED "SURE CROP" MUSHROOM SPAWN.

SPECIAL quotations to large buyers.

ALL KINDS OF BULBS:

Lilium Harrisii, Freesias, Roman Hyacinths, Narcissus, etc., etc. Special prices on application.

WEEBER & DON, Seed Merchants and Growers,
114 Chambers Street. NEW YORK CITY.

CLUCAS & BODDINGTON CO.

Importers and Exporters of

Seeds, Bulbs & Plants,

501 TO 503 W. 13TH ST.,
NEW YORK CITY.

Send for quotations on all Florists' Bulb Stock.

ESTABLISHED 1838 — DREER'S SEEDS — FRESH — RELIABLE

TRY DREER'S GARDEN SEEDS,

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER,
Philadelphia, Pa.

Complete Stock in New York of

VILMORIN'S ELECTROTYPES OF Flowers, Plants & Vegetables

ILLUSTRATED CATALOGUES FREE ON APPLICATION.

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Sole Agent for VILMORIN-ANDRIEUX & CO., Seed Growers, Paris, France.

EVERY CATALOG OF

Seeds and Plants should offer our Shears. Close rates. Free Electros.

Kelly's Pruning Shears,
Flower Gatherer and Grape Picker.
All in one simple tool, which, unlike ordinary Shears, holds firmly anything cut. Indispensible to Florists, Grape or Plant Growers.



Circulars Free. Pruning Shear Co., Fremont, O.

Many specialties offered on this page are for the catalogue trade.

BOSTON & LOCKPORT BLOCK CO.

LOCKPORT, N. Y.
Established 1840.

Manufacture tree and POT LABELS and Dahlia Rods. All kinds and descriptions, plain or painted. Orders and correspondence solicited.

CLARK BROTHERS

Manufacturers of

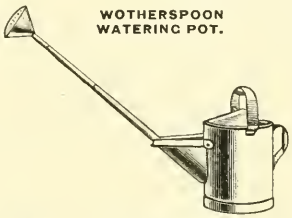
Paper Seed Bags

of every description, except Lithographic Bags.
61 Ann Street, New York.

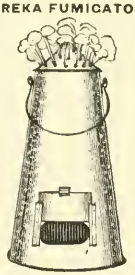
QUALITY! QUALITY!

Wotherspoon's name on any galvanized iron article for florists' use is a guarantee that it is the best article of the kind made.

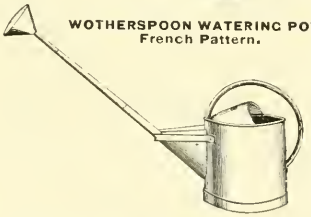
WOTHERSPOON WATERING POT.



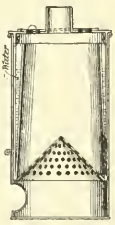
EUREKA FUMICATOR.



WOTHERSPOON WATERING POT. French Pattern.



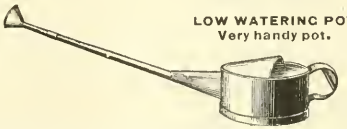
PERFECTION FUMICATOR. (with water tank)



POULTRY FOUNTAIN. Best low priced fountain made.



LOW WATERING POT. Very handy pot.



My aim in these goods has been quality, having from time to time added such improvements as would be beneficial and strengthening to the article, at the same time getting the price down to such a figure as to make the goods popular with the trade in general. For sale by leading seed houses throughout the United States.

James R. Wotherspoon, 124 North 3rd Street, PHILADELPHIA, PA.

Pittsburg.

RAIN COMES AT LAST.—RANDOLPH & MCCLEMENTS DECORATE CARNEGIE HALL FOR PRESIDENT M'KINLEY'S RECEPTION. —MR. CHAS. SIEBERT OPENS A NEW STORE.

We are experiencing regulation fall weather this week, rain with damp cool atmosphere, but everybody is well satisfied, for the rain has been so very greatly needed; in many places throughout western Pennsylvania the drought has been so severe that water was hauled long distances from the river at a cost of from forty to fifty cents per barrel. Some of the florists report a slight improvement in the demand since election day, the 2d, and are of the opinion that business will get better from now on. Stock of nearly all kinds is plenty and good. Roses are much too plenty, and are likely to be until the 'mums are disposed of; carnations are both plenty and cheap. Violets are not coming in very freely at present, but have not advanced in price, remaining very low.

Mr. Fred Burki, wholesale florist of Bellevue, reports business very fair but prices low. He is cutting roses and chrysanthemums of very fine quality and also carnations. He has also just commenced cutting Harrisii lilies, being the first this season.

Messrs. Randolph & McClements, South Highland and Baum streets, E. E., have been very busy; on Wednesday of last week they decorated Carnegie Hall at Schenley Park for President McKinley's reception, he and his wife having come here in honor of "Founders' Day," it being the anniversary of the dedication of it. They also had two wedding decorations on hand at the same time. The decorations at Carnegie Hall were very much admired and added very much to the appearance of the hall. Messrs. R. & McC. report general business with them as good.

Mr. Chas. T. Siebert, of Stanton avenue, E. E., has opened in a new place, a store for the sale of cut flowers and general trade at 6015 Center avenue, near South Highland. He has a fine store-room, which he is fitting up in first-class style; the situation and room are much better than where he was on Frankstown avenue. His greenhouses are about 1½ miles distant, which will insure fresh stock at all times.

Mr. Julius W. Ludwig celebrated his 44th birthday on Tuesday, and in the evening was tendered a reception by the American Social Club, of which he is President. The occasion was a very enjoyable one. Between forty and fifty were in attendance and the evening was spent in card playing, singing, etc.; an elegant repast was served and congratulatory speeches made by many. Mr. Ludwig felt very much complimented by this reception and responded to the well wishes of his friends in a very feeling and happy manner.

Mr. M. Rice, of M. Rice & Co., Philadelphia, was a visitor this week.

REGIA.

FOR EXCHANGE.

165 DAYBREAK } in frames now.
235 McGOWAN } 640 good plants for
240 SCOTTS } $14 cash with order.

WANT 5 or 6-inch Swords, Single Violets and Stock 'Mums.

E. I. BRADLEY, Florist,
MURPHYSBORO, ILL.

HERR'S CARNATIONS.

All the Best Varieties.

Facilities to propagate **300,000** at one time. Every shipment sent out with a guarantee that it must be satisfactory or returned at my expense and the money refunded. LET ME ESTIMATE ON YOUR ORDERS.

ALBERT M. HERR, Lancaster, Pa.



20,000 CARNATIONS

Fine, healthy, bushy, field-grown. No flowers or buds on them.

WELL GROWN PLANTS CHEAP FOR CASH.

Alaska,	Silver Spray,	Hector,
Portia,	Eldorado,	Tidal Wave,
Meteor,	Mrs. Fisher,	Wm. Scott,
T. Cartledge,	A. H. Lonsdale,	Minnie Cook,
Helen Keller,	Puritan,	L. L. Lamborn.

1st size, cash with order.....$4.00 per 100
2nd " " " " 2.50 per 100
Della Fox, Emma Wocher, Yellow Jacket,
1st size, cash with order.....$6.00 per 100

I study to **please every patron** and pack carefully in **light boxes.** I guarantee entire satisfaction and big value for the money. We have three Express companies, Adams, American and United States.

KIND WORDS NEVER DIE.
GREENSBORO, N. C., Nov. 1, '97.

MR. CHAS. T. SIEBERT, Dear Sir:—The carnations you sent me arrived on time. I return thanks for the extras, also for your promptness in sending the order. I am sorry I did not order more when I was about it.
Respectfully JAS. DUFFY.

MONTGOMERY CITY, MO., Oct. 28, '97.

CHAS. T. SIEBERT, Dear Sir:—The carnations arrived today in fine condition. I am well pleased with them. Thanks for extras.
Yours truly, H. WILL.

CHAS. T. SIEBERT, Sta. B, Pittsburg, Pa.

FIELD-GROWN CARNATIONS

We have the following named varieties heeled in on the benches of a greenhouse, never touched by frost:

	Per 100
MRS. GEO. M. BRADT	$10.00
MRS. C. H. DUHME	8.00
MARY WOOD, white, and DAZZLE SCARLET	5.00
METEOR, ALBERTINI, BRIDESMAID, GOLDFINCH and some SCOTT	4.00

F. DORNER & SONS CO.,
LA FAYETTE, IND.

H. WEBER & SONS, CARNATIONS,

OAKLAND, MD.
Always mention American Florist.

Wm. Swayne,

KENNETT SQUARE,
Box 226. **PENNA.**

Carnation Specialist.

CARNATIONS

Free from Disease. Field-grown.
ROSE QUEEN, SCOTT, IVORY, PIERSON.
Write for prices.

VIOLETS. 1,000 LADY CAMPBELL, field-grown, at a bargain.
CRABB & HUNTER, Grand Rapids, Mich.
Mention American Florist.

CARNATIONS.

FIELD GROWN PLANTS.

SILVER SPRAY,
PORTIA,
NANCY HANKS.
DELLA FOX,
ROSE QUEEN,
WM. SCOTT.

$3.00 per 100; $25.00 per 1000.

REINBERG BROS.,
51 Wabash Avenue, CHICAGO.

CARNATIONS

After the early Chrysanthemums are thrown out many florists plant Carnations. We have a few thousand plants heeled in in the cold house suitable for this purpose. They are first-class plants, the last of 94,000 set out in the spring.

800 Grace Wilder,	200 Scotts,
2000 Silver Spray,	600 Eriesconrt,
1200 Albertini,	300 Rosalind,
800 Dean Hole,	100 Armazindy,
1500 Portia,	100 Mrs. Carnegie.

$4.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

The Cottage Gardens
QUEENS. L. I.

Specialties in CARNATIONS, CHRYSANTHEMUMS, CANNAS, GERADIUMS, DAHLIAS.

SEND FOR OUR PRICE LIST

MORELLO

Field-grown, at $1.50 per dozen; $10.00 per hundred.

HOPP & LEMKE, Paul P. O., Mich.

BAKER'S NEW CARNATIONS.

Grown and tested five years.

ONEIDA Pure pink, healthy; no rust; continuous producer; largest size bloom.
RED JACKET—Bright red, fine stem and calyx; continuous cropper. **$10.00 per 100.**
Orders booked now to be filled in rotation as fast as rooted.

C. F. BAKER, Utica, N. Y.

STOCKY. FIELD-GROWN **CARNATIONS.**

New and standard vars., $5.00 per 100 and upward.
GEO. HANCOCK & SON, Grand Haven, Mich.

Cut Flowers

SPECIAL STOCK
FOR HIGH-CLASS TRADE.

Thos. Young, Jr.

43 West 28th St., New York.

Cattleyas,

Roses and
Carnations....
All the standard varieties.

Extra American Beauties

Violets,
Mignonette,
Roman Hyacinths,
Paper White Narcissus.
Ferns and
Asparagus.....

WM. C. SMITH

Wholesale Florist *No. 40 South 16th Street*
PHILADELPHIA

ROSES, CARNATIONS AND VIOLETS IN QUANTITY

A General Assortment of HIGH GRADE Cut Flowers carried at all times

WRITE TO ME FOR THINGS HARD TO GET

Our Central Location enables us to fill out-of-town orders at shortest notice.

CONSIGNMENTS OF CHOICE STOCK SOLICITED

LONG DISTANCE PHONE

Louisville, Ky.

The eighth annual chrysanthemum show and floral festival given by the Kentucky Society of Florists began today, Wednesday, Nov. 10, and was a pronounced success, the weather being very favorable for the show. The hall was handsomely decorated with large palms, flags and bunting, which gave it a striking effect. The music this year is given by Prof. Wherley's orchestra, and they play every afternoon and night. Mr. Kunzman, the president, opened the show. The judge selected for the show was Mr. W. S. Bell, of Lexington, and he proved a very competent one, too. The prizes were as follows:

In chrysanthemum plants, bush form, single stem, 1st, C. Schleeter; 2nd, Nanz & Neuner; 3rd, Jacob Schulz. Specimen plants, bush form, 1st, Nanz & Neuner; 2nd, J. E. Marret; 3rd, E. G. Reimers. Standards, stem not less than 18 inches, 1st, J. E. Marret; 2nd, Jacob Schulz, 3rd, Jos. Coenen & Co. Single stem, 1st, Nanz & Neuner; 2nd, Jacob Schulz; 3rd, J. E. Marret. Market plants, bush form, 1st, Nanz & Neuner; 2nd, C. Schleeter; 3rd, J. Schulz. Ten varieties, 3 blooms each, 1st, Nanz & Neuner; 2nd, Henry Lichtefeld; 3rd, J. Schulz. Ten blooms, white, one variety, 1st, J. Schulz; 2nd, C. Schleeter 3rd, Nanz & Neuner. Ten blooms, yellow; one variety, 1st, Nanz & Neuner; 2nd, J. Schulz; 3rd, E. G. Reimers. Ten blooms, pink, one variety, 1st, Jacob Schulz; 2nd, Nanz & Neuner; 3rd, A. Rassmusen, of New Albany. Ten blooms, any other color, 1st, Nanz & Neuner; 2nd, J. Schulz; 3rd, J. Marret.

The weather, being beautiful, helped to swell the crowd, and the hall was crowded all day long with flower-loving people. Large crowds are expected throughout the show.

The center of the hall is occupied by long tables, on which are displayed in jars the exhibits of cut blooms in great profusion. Among the claimants for new honors is a handsome yellow bloom of the incurved variety, which is called the Pennsylvania, which measures from 9 to 10 inches across. It was sent here by a Philadelphia florist to be introduced. The plants grown on single stems are far better than ever before and were beautifully arranged. Altogether the show this year is a success, and the florists are well pleased with the results. F. H.

DENVER, COLO.—Mr. J. A. Valentine, of Park Floral Company, left this week for an eastern trip via. Chicago. He will visit New York, Boston and Philadelphia.

BY DIRECTION of Congress the Department of Agriculture is investigating the character and extent of the adulteration of foods and drugs.



Established 1857. Phone L. V. 136.

GEO. WITTBOLD,

GROWER AND IMPORTER OF

TROPICAL PLANTS

1708 NORTH HALSTED STREET,

Corner Aldine Avenue, CHICAGO, ILL.

Largest Stock of Tropical Plants in the West.

The following is a list of our stock. It is in excellent condition, and we are confident that we can please you, both as to quality and value.

PALMS.

Measurements taken from top of pot to top of tallest leaf. VARIETIES.	Size Pot.	Height Inches.	Character Leaves.	Each.	Doz.	Per 100
ARECA LUTESCENS, 2 plants in pot.	4-inch.	12-14			$3.60	$30.00
" " 3 " "	5 "	30-34	8-10	$0.75	9.00	
" " 3 " "	6 "	34-38	8-12	1.00	12.00	
" " 3 " "	7 "	40-45		1.50	18.00	
CORYPHA AUSTRALIS	5 "	18-20	7- 8	.50	5.00	
" "	6 "	18-22	8-10	.75	9.00	
KENTIA BELMOREANA	4 "	16-18	4- 5	.50	5.00	30.00
" "	5 "	14-16	5- 6	.75	7.20	
" "	6 "	20-24	5- 5	1.25	15.00	
" "	7 "	36-40	5- 6	3.00	36.00	
" "	8 "	48-50	5- 7	4.00	48.00	
" FORSTERIANA	4 "	18-20	2- 3	.50	3.60	
" "	5 "	20-24	3- 4	.75	7.20	
" "	6 "	28-30	3- 4	1.25	15.00	
" "	8 "	50-54	4- 6	4.00	48.00	
LATANIA BORBONICA	3 "	12-14	1- 2	.15	1.50	10.00
" "	4 "	14-16	3- 4	.25	3.00	25.00
" "	5 "	18-20	4- 5	.50	5.00	40.00
" "	6 "	18-20	5- 6	.75	9.00	
" "	7 "	23-25	6- 7	1.00	12.00	
" "	8 "	30-36	6- 8	2.50	30.00	
" "	10 "	36-40	8-12	5.00	60.00	
PHŒNIX RECLINATA	5 "	18-20	4- 5	.50	5.00	
" "	6 "	22-24	4- 5	.75	9.00	
" "	7 "	26-30	5- 6	1.00	12.00	
" CANARIENSIS	5 "	18-20	4- 5	.50	5.00	
" "	6 "	22-26	5- 6	.75	9.00	
" "	7 "	26-30	8-10	1.00	12.00	

FERNS.

NEPHROLEPIS EXALTATA, from 2-inch pots	per 100	$5.00
" " " 3 "		8.00
" " " 4 "	per doz.	1.50
" " " 5 "	"	2.00
" PECTINATA, " 4 "	"	1.50
" " " 5 "	"	2.00
" " " 6 "	"	3.00

MISCELLANEOUS PLANTS.

ASPARAGUS PLUMOSUS NANUS, from 3-inch pots	per 100	$8.00
CYPERUS ALTERNIFOLIUS, from 4-inch pots	per doz.	1.00
" " " 6 "	"	1.50
" " " 7-inch pots, bushy plants	"	4.00
PANDANUS UTILIS, 4-inch pots	"	3.00

LYCOPODIUM WREATHING, in any quantity at 3 cts. per yard up.

Order now while the warm weather lasts. All orders from unknown parties must be accompanied by cash or acceptable references.

THE AUTUMNAL MUSE.

OUR DEAR FRIEND.

BY WM. K. HARRIS.

The Soldier gives his life-blood, our country to save;
The Preacher gives us bliss beyond the grave;
The Doctor, to relieve our pains, responds to every call;
But "Money" is our dearest friend of all.

My Stock has Grown Very Corpulent.

Its growth has consumed my purse to a mere skeleton; and and as I badly need my "dear friend"

I will offer **for the wanderer's return** the following stock at 25% less than my usual price tor this month, **November, only:**

LATANIA BORBONICA	In 8-inch pots, $2.00	size, @ $1.50 each.
"	In 6-inch pots, 1.00	size, @ .75 "
"	In 3-inch pots, 8.00 per 100	size, @ 6.00 per 100
ARECA LUTESCENS	In 6-inch pots, 1.00	size, @ .75 each.
"	In 4-inch pots, .40	size, @ .30 "

All my Arecas are grown 3 plants in the pot.

LIVISTONAS ROTUNDIFOLIA.... 3-inch pots, 35 cent size @ 25 cents each
DRACENAS SANDERIANA..... 3-inch pots, 35 cent size @ 25 cents each
TREE RUBBERS (Ficus Elastica).....in 8-inch pots, 4 branches and more, $2.00 size @ $1.50 each

WM. K. HARRIS

55th Street and Springfield Avenue, PHILADELPHIA, PA.

PALM Seed.

FRESH ON HAND

ALL SEASONABLE VARIETIES.
Prices for select seeds quoted on application.
J. L. SCHILLER,
404 E. 34th St., NEW YORK CITY.

BOUGAINVILLEAS.

Beautiful for "cutting" or pot sale.

Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests.

Send for "Comments and Facts."

THEO. F. BECKERT, Glenfield, Pa.
9 miles below Pittsburg, Pa.

FOR SALE.

Palms, all kinds and sizes. **Ficus, Araucarias, Cyclamen, Primroses** and **Azalea indica** in any quantity; prices very low; quality A No. 1.

Eucharis amazonica, $2.00 per 100.

JOHN BADER, Troy Hill, Allegheny City, Pa.
Mention American Florist.

PALMS.

Send for Price List.

JOSEPH HEACOCK,
WYNCOTE, PA.

NEPHROLEPIS EXALTATA BOSTONIENSIS.

A few thousand strong rooted runners at **$2.50 per 100.**

Will make strong plants soon.

W. J. & M. S. VESEY,
90 Thompson Ave., FORT WAYNE, IND.

When you write to any of the advertisers in this paper please say that you saw the advertisement in the American Florist.

The Great Horse Show

Draws all the fashion to Madison Square Garden.

Good Flowers at fair prices

Square dealing and strict business principles draw the buyers every morning to the old reliable CUT FLOWER ESTABLISHMENT of

1887 **J. K. ALLEN,** 1897

57 WEST 28TH STREET, NEW YORK CITY.

Growers, take notice of the above facts. You will find it to your interest to send your product here. It will realize full market value, and you will get your returns promptly.

Headquarters for Violets, Carnations, American Beauty, and all other leading varieties of Roses. Yours respectfully, J. K. ALLEN.

SHIPPING TRADE SOLICITED.

TELEPHONE, TELEGRAPH OR MAIL.

CHOICE CUT FLOWERS.

Carnations

All the New Leaders: C. A. Dana, Mrs. Jas. Dean, Flame, etc.
Fancy varieties and novelties.

"Up The Hudson"

Violets

Fine stock from the best growers.
Well bunched and properly handled.

We can always supply

LILY OF THE VALLEY

AND ALL BULBOUS STOCK IN UNLIMITED QUANTITY.

JOHN YOUNG,

51 WEST 28TH STREET, NEW YORK CITY.

The Establishment of Public Parks.

The importance of bringing together information concerning the establishment of public parks cannot be illustrated to better advantage than it is in a little publication that has recently come to hand under the above title and relating to the New York park system, which was prepared by Mr. Gherardi Davis of New York and read before the Historical Society of that city.

After making a brief statement as to the necessity of public parks in cities and the desirability of guarding them against encroachments, he gives the history of the park movement in New York from the first suggestion that was made in a letter published in the *New York Packet* in 1785 and addressed to the mayor and aldermen of the city, calling attention to the fact that "there is not in this great city one proper spot where its inhabitants can enjoy with convenience the exercise that is necessary for health and amusement."

He then goes on to give the history of Bowling Green, the Battery, and the various squares and parks of the city, from the time they were first suggested until they were acquired by the city and developed as public pleasure grounds, giving many interesting historical and other incidents connected therewith. It is difficult for one unacquainted with such matters to realize the amount of careful investigation that is required to bring together and verify the facts and interesting incidents related in this pamphlet.

This pamphlet should be the forerunner of similar publications in other cities, for the subject is well worthy of the careful investigation of students in local history, and such facts and incidents as are here brought together are not found in any other publications with the exception of the fragmentary and disconnected records in park reports and occasional newspaper and magazine articles.

There has never been made until very recently a systematic effort to bring together in any of the important libraries complete sets of park reports. Some park commissions even have not complete sets of their reports in their own offices, and almost every park commission is unable to supply many of its back numbers. The Park and Outdoor Art Association are bringing together as complete a set of park reports and other material relating to outdoor art as can be obtained. Information thus brought together will be of the greatest value to all persons who are interested in the park movement which has come to be such an important question in the development of American communities.

WARREN H. MANNING.

The Holly Supply.

Reports from regular dealers and shippers of this article in Delaware, Maryland and Tennessee, report well berried trees and good foliage this season. As an article of Christmas trade first-class holly has more than held its own even in "hard times" years and ought to do even better this "prosperity" season. Christmas to the florist, in all lines, is one of the days which may generally be relied on for good business.

Greenhouse Building.

LENOX, Mass.—H. H. Cook, range of conservatories.

Montowese, Ct.—A. S. Barnes, one commercial house.

MacDONALD & McMANUS,

Wholesale Dealers in

CUT FLOWERS.

HEADQUARTERS FOR

Choice Orchids and Fancy stock for Special work.

CATTLEYA LABIATA,
DENDROBIUM FORMOSUM,
D. PHALAENOPSIS,
CYPRIPEDIUMS AND
ONCIDIUMS.
FARLEYENSE FERNS.

Prices on Application.

50 WEST 30TH STREET,

TELEPHONE 2778 38th STREET. NEW YORK.

SPECIAL OFFER OF

Azalea Indica

JUST ARRIVED AND READY FOR SHIPMENT.

These Azaleas are packed in cases of 50, 75 and 100; put up in only the best market sorts, such as

Deutsche Perle, Vervaeneana, Mme. Van der Cruijessen,

Bernard Andra Alba, Dr. Moore, Empress of India, Simon Mardner, Mme. Cam. van Langenhove, Raphael, etc, etc.

10 cases, each containing 25 plants of 10-12 in. and 25 plants of 12-14 in.....per case $18 50
10 cases, each containing 35 plants of 10-12 in. and 40 plants of 12-14 in.....per case 26.50
10 cases, each containing 50 plants of 10-12 in. and 50 plants 12-14 in..... 34.00
2 cases each containing 100 plants of 12-14 in.....per case 42.50
2 cases, each containing 100 plants of 12-15 in.....per case 52 50
4 cases, each containing 150 plants of 9-10-11 in. size.....per case 35 00

Order quick before they are sold. "First come, first served."

L. C. BOBBINK,

Branch of the Horticultural Co., Boskoop, Holland.

Rutherford, N. J.

PRIMULA CHINENSIS, 2-inch pots.....$2.50 per 100, $20.00 per 1000
PRIMULA, transplanted seedlings, from flats $1.50 per 100.
FERNS, 3-inch pots.....$5.00 per 100
CARNATIONS. Field grown Lizzie McGowan and Scott. Write for prices.
VIOLETS. Marie Louise, strong field grown. Write for prices.
HYDRANGEA HORTENSIS, rooted cuttings.....$2 00 per 100
SWAINSONA.....$2.00 per 100
ABUTILON Souvenir de Bonn and Golden Fleece...$3.00 per 100
GERANIUMS. Rooted cuttings.... .... .$1.50 per 100, $12.00 per 1000

C. LENGENFELDER.

Lincoln and Berteau Avenues, CHICAGO.

Please mention American Florist.

SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.

FIELD-GROWN

CLOTHILDE SOUPERT, METEOR, LA FRANCE, } Two year old, extra strong, $10 per 100.

Freight prepaid to any part of United States. Cash with order please.

HENRY EICHHOLZ, Waynesboro, Pa.

PELARGONIUMS.

A fine lot in 2½-inch of the following varieties: Mme Thibaut, Mabel, Mrs. Robert Standiford, Criterion Dr. Andry, Lord Napier, etc. Our selection, a fair proportion of all varieties, 50 cents per dozen, $3 00 per 100. Mme. Thibaut and Mrs R. Standiford, 75 cents per dozen, $6 00 per 100. Two plants each of the six varieties by mail postpaid for 75 cents. Cash with order.

MRS. THOS. LAWRANCE, Ogdensburg, N. Y.

PALMS SEND FOR SIZES AND PRICES

EDWIN LONSDALE

CHESTNUT HILL. = PHILA. PA.

Mention American Florist.

Bassett & Washburn,

GROWERS AND WHOLESALE DEALERS IN

CUT FLOWERS AND Florists' Supplies

WE ARE THE LARGEST GROWERS OF AMERICAN BEAUTIES IN THIS COUNTRY.

Besides growing large quantities of Brides, Bridesmaids, Kaiserin, Meteor, Perles, Carnot and La France, we grow the finest Lily of the Valley the year round. Very choice 'Mums at reasonable prices. Florists wishing to have Flower Exhibitions of their own should send direct to the grower and get the stock selected for them.

Our **Harrisii Lilies** will be ready for Thanksgiving trade. We shall also have a large supply of **Roses, Carnations, Valley** and other stock.

WRITE US FOR PRICES.

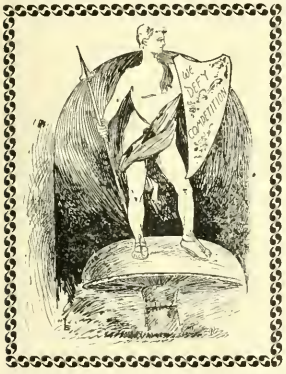
Every up-to-date florist appreciates the advantage of buying direct from the grower.

BASSETT & WASHBURN,

88, 90 and 92 Wabash Avenue,

Greenhouses and Residence, Hinsdale, Ill.
LONG DISTANCE TELEPHONE No. 10.

CHICAGO, ILL.
LONG DISTANCE TELEPHONE MAIN 223.



FOR ONE WEEK ONLY

FRESH IMPORTATION PER STEAMER LUCANIA

ON MUSHROOM SPAWN			$8 00 100 lb.
ON BAMBOO CANES, 7 TO 8 FT. LONG			7 00 1000
ON FERTILIZER RAMSHEAD, NO EQUAL			2 25 100 lb.
ON FERTILIZER CLAYS, ENGLISH			3 50 56 lb.
ON TOBACCO STEMS, FRESH	$1 25 100 lb.		5 00 500 lb.
ON TOBACCO DUST, EXTRA STRONG	1 75 100 lb.		
ON WATERING CANS, EXTRA STRONG	$1 50 6 qt.	$1 75 8 qt.	$2 00 10 qt.
ON FUMIGATORS, HEAVILY GALVAN'ZED			half bushel stems $1 90
ON HYACINTH GLASSES, ALL COLORS			$1 00 doz.
ON LILY BOWLS, HANDSOMELY CUT	6 in. $1 25 doz.		8 in. $2 25 doz.
ON STRAW MATS			6x6 $1 50 $17 00 doz.

WM. ELLIOTT & SONS, 54 and 56 Dey St., NEW YORK.

HERBACEOUS PERENNIALS.

The most complete stock in America. . . . .

PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

WILD SMILAX

Strong, 3-year plants, $10.00 per 100; $80.00 per 1000.
Sample mailed for 20 cents.

JOHN FRASER, Huntsville, Ala.

100,000 CINERARIAS.

Brilliant Strain, 2¼-inch, $2.00 per 100; 3-inch, $3 00 per 100.

CALCEOLARIAS, 2¼-in., $3 per 100.

WHITTON & SONS, Wholesale Florists,
City and Green Streets, UTICA, N. Y.

2,000 DOUBLE EXTRA

CALIFORNIA VIOLET CLUMPS

From field, $4.00 per 100 to close. Order quick. They are fine. 200 SWANLEY, 2½-in., $3 per 100.
400 SMILAX, 2½-in, lots for $5.00.

BENJ. CONNELL, Florist, West Grove, Pa.

WE CAN FURNISH

Pearl Tuberose Bulbs

All native Trees, Shrubs and Bay Plants. Also young Pitch PINES, HOLLY and Wild SMILAX for DECORATING. Write and tell us what you want. No Yellow Fever here!!

JAS. M. LAMB, Fayetteville, N. C.

St. Louis.

BUSINESS FAIR—MR. F. WEBER ENTERTAINS BOWLING CLUB.—C. YOUNG & SONS HOLD A FREE CHRYSANTHEMUM SHOW.—VISITORS.

Business is only fair, with occasional spurts. The last few days have been cold and bracing, and the stock is showing up better, but the prices are low. Large quantities of roses and carnations are coming in and selling for almost nothing, and the best of roses can be bought for $1.50 to $2 per 100. Carnations can also be bought for from 50 cents to $1 per 100. Chrysanthemums are in full force and are crowding the other flowers to some extent. The best blooms are sold at 15 and 20 cents each; second quality at 75 cents and $1 per dozen.

An invitation was extended to the Bowling Club by Mr. Fred C. Weber to attend a house warming at his new and beautiful residence and store, 4326-28 Olive street. The guests began to arrive at 8 p. m. and found every thing in readiness to make it pleasant for them. After inspecting his most elegant store, conservatories and vaults the guests were asked up stairs to partake of an elegant lunch and refreshments. After the lunch speech-making and songs were in order by Messrs. Kunz, Helwig, Bauer, Koenig, Fillmore and Beneke. The party broke up shortly before 12 p. m. and everybody had a good time. Those present besides the host, hostess and their family were Mr. and Mrs. Kunz, Mr. and Mrs. John Young, Mr. and Mrs. Kuehn, Mr. and Mrs. J. J. Beneke, Mr. and Mrs. Carl Beyer, Mr. and Mrs. Julius Konig; Sr., Mr. and Mrs. James Young, Mr. and Mrs. C. C. Sanders, Mr. and Mrs. Al Bauer, Mr. and Mrs. Fillmore, Mr. Andrew Meyer and Dr. Henry Helwig.

C. Young & Sons held a free chrysanthemum show at their greenhouses last week. The magnificent display of plants attracted an immense crowd. The exhibition was complete and artistic in every detail.

Mr. Gullett, of Lincoln, Ill., and J. T. Williamson, of Memphis, Tenn., were our visitors last week; also Mrs. Vesey, Fort Wayne, Ind.; Mr. Hunt, Terre Haute, Ind.; W. W. Coles, Kokomo, Ind.; Mr. Heller, New Castle, Ind.; Mr. Tower, with E. G. Hill & Co., Richmond, Ind.; Mr. Riesing, with Nathan Smith & Son, Adrian, Mich.

Leguminous Root Tubercles.

A series of experiments were made at the Louisiana Experiment Station to ascertain the influence on leguminous root tubercles of deep and shallow planting, the depth to which the nutrifying organisms penetrate, and the results of transferring organisms from one host to another. Cowpeas were planted at depths of 1, 2, 3, 4, 5 and 6 inches. The best root formation and the greatest number of tubercles were obtained with seeds planted 2 and 3 inches deep.

After taking precautions to avoid infection from other sources, a number of pots were filled with soil taken from 1, 2 and 3 feet below the surface and Lima beans, New Era cowpeas, peanuts and white lupines grown in it. Only on the plants grown in soil taken at the depth of 1 foot were tubercles formed, but they were not so numerous as from surface inoculation. The experiment in transferring the organisms from one host to another indicated that each plant, or at most each genus of plants, supports a specific organism capable of developing root tubercles.

WHOLESALE CUT FLOWERS.

American Beauties

40 houses devoted to this .. variety. ..

12 FIRSTS AND 2 SECONDS OUT OF 15 ENTRIES AT THE CHICAGO SHOW.

Reinberg Brothers,

PETER REINBERG.
GEORGE REINBERG.

51 Wabash Ave.,

GREENHOUSES: near Summerdale and Rose Hill.

....CHICAGO.

HOLTON & HUNKEL CO.

Successor to the Wisconsin Flower Exchange.

WHOLESALE COMMISSION JOBBERS

In Fresh Cut Flowers, Florists' Supplies, Xmas Holly and Bouquet Green, . . .

Manufacturers of Wire Designs.

A trial will convince you of the superiority of our goods.

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457 Milwaukee Street, - - MILWAUKEE, WIS.

CYPERUS ALTERNIFOLIUS.
2½-inch pots . . . . . 40 cts. per doz.; $2.50 per 100

GREVILLEA ROBUSTA.
2½-inch pots . . . . . 40 cts. per doz.; $2.50 per 100

ASPARAGUS TENUISSIMUS.
3-inch pots . . . . . 50 cts. per doz.; $3.50 per 100

CALIFORNIA VIOLETS.
Field-grown . . . . . $4.00 per 100

CARNATIONS.
Mapledale (new) . . . . . $8.00 per 100
Medium sized plants of the following standard varieties, $4.00 per 100: Portia, Wm. Scott, Della Fox, The Stuart, and Tidal Wave.

NATHAN SMITH & SON, Adrian, Mich.

EVERGREENS.

Specimens for pots and Winter Decorations.

Send for Descriptive Catalogue and Trade List.

SAMUEL C. MOON,
MORRISVILLE, Bucks Co., PA.

Why not buy your

SPHAGNUM MOSS, BOUQUET GREEN, ... PEAT AND CHRISTMAS TREES

from one who secures his stock from the woods direct. Write for prices, stating just what you need and how much.

Z. K. JEWETT & CO., Sparta, Wis.

Pandanus Veitchii.

Clean plants in Good condition.

7-inch pots $1.50 each; $18 per doz.

Also a few fine 8-inch at $2.00, 9-inch at $3.00, 10-inch at $4.00 each.

JOHN WELSH YOUNG,
GERMANTOWN, PA.

CANNAS
MAIDENS BLUSH.
PHILADELPHIA.
ALSACE.
ITALIA.
AUSTRIA.

Fine plants SPIRÆA A. WATERER. LOGAN BERRY TIPS.
Write for prices.

THE CONARD & JONES CO., West Grove, Pa.

SWORD FERNS.

		per 10	per 100
NEPHROLEPIS EXALTATA,	3 in.	$0.60	$5.50
"	4-in.	1.10	10.00
"	5-in.	1.60	15.00
"	ex. strong, 5-in.	2.00	19.00
" TUBEROSA,	3 in.	.60	5.50

Send for Wholesale List of PALMS, etc.

W. J. HESSER, Palm Gardens, Plattsmouth, Neb.

John I. Raynor - - -

49 West 28th Street
NEW YORK



Offers Special extra stock of American Beauty, Meteor, Bride, Bridesmaid and Morgan Roses; the finest Carnations in this market. Exhibition Chrysanthemums, Violets, Mignonette, Bulbous stock, etc. . . . . .

THIS establishment controls, as heretofore, the stock of many of the largest and most noted growers.

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Walter F. Sheridan

Wholesale and Commission... **Cut Flowers**

The finest grades of all leading and seasonable flowers. Retail trade supplied with best stock at daily market prices

39 West 28th Street **New York City**

Northampton, Mass.

A fairer November day never shone than that which marked the opening of the third annual chrysanthemum show of the Horticultural Society, and a finer set of chrysanthemums never graced City Hall than those which show the result of the skill and attention of the growers of the Meadow City, and attractive as have been the previous exhibitions that of '97 shows marked improvement.

As usual Donald McGregor, gardener to E. H. R. Lyman and E. J. Canning, gardener to Smith College, were the largest exhibitors, both showing groups of specimen plants never before equalled in this section. Mr. Canning's plants were for exhibition only. H. W. Field, Alex Parks, L.H. Dimock, R. B. Graves and N. L. Hospital all made fine displays of plants and blooms. E. D. Shaw of Holyoke also made a fine exhibit of roses and carnations, also a vase of Queen, that won admiration from all visitors. L. W. Goodell, of Pansy Park showed tuberous begonias of good size and color. One table of plants grown by children was quite an attraction and some of the plants were really good.

Mr. G. H. Sinclair of Holyoke acted as judge and made awards as follows:

PLANTS.

Best six plants distinct named varieties, 1st, D. McGregor. Three plants, same conditions, 1st, D. McGregor. Specimen white, also pink, D. McGregor. Specimen yellow, 1st, D. McGregor; 2nd, G. W. Thornley. Specimen red, 1st, D. McGregor. Any other color, 1st, D. McGregor.

Twenty-five plants grown to single stem, 1st, D. McGregor; 2nd, Alex Parks. Twelve single stem, 1st, D. McGregor; 2nd, A. Parks. Six single stem, 1st, McGregor; 2nd, G. W. Thornley. Best group arranged for effect and limited to 150 square feet, palms and ferns added, 1st, H. W. Field; 2nd, Alex Parks; 3rd, D. McGregor. Best specimen plant grown without aid of greenhouse, 1st, 2nd and 3rd, Geo. P. Campbell.

CUT FLOWERS.

Vase thirty cut blooms, not less than 6 of a distinct named variety, 1st, D. McGregor; 2nd, H. W. Field; 3d, A. Parks. Vase twelve distinct varieties, 1st, D. McGregor; 2nd, A. Parks. Twelve red, 1st, D. McGregor, Twelve pink, 1st, A. Parks; 2nd, H. W. Field; 3d, D. McGregor. Twelve white, 1st, D. McGregor; 2nd, A. Parks; 3d, G. W. Thornley. Twelve yellow, 1st, A. Parks; 2nd, H. W. Field; 3d, G. W. Thornley. Twelve any other color, 1st, McGregor; 2nd, G. W. Thornley. Specimen bloom, 1st, H. W. Field; 2nd, McGregor; 3d, A. Parks.

Best display of carnations, not less than 4 varieties twenty-five of each variety, 1st, A. Parks. Twelve white, 1st, H. W. Field; 2nd, G. W. Thornley. Twelve scarlet, 1st, H. W. Field; 2nd, G. W. Thornley. Twelve light pink, 1st, H. W. Field; 2nd, McGregor; 3d, A. Parks. Twelve dark pink, 1st, D. McGregor; 2nd, H. W. Field; 3d, A. Parks. Twelve any other color, 1st, A. Parks; 2nd, G. W. Thornley.

Fifty violets, double blue, 1st, D. McGregor; 2nd, R. B. Graves. Fifty violets, single blue, 1st, D. McGregor; 2nd, R. B. Graves; 3rd H. W. Field.

G. W. THORNILEY.

The Bouquet Green Market.

The supply of this article in northern Wisconsin and Michigan promises to be a full one. The pickers, although they began late, have improved the bright Indian summer weather and stimulated by good prices paid by the country merchants at the start have rolled up good round lots of it. Some new territory has also been opened. Here and there, as is often the case new buyers have taken hold in a speculative way and taken all in all while the market is yet unsettled the trade prices are already below the average and it is hardly probable that any material advance will take place. The quality is considerably better than the average and buyers as a rule are caring for and crating it in better shape.

CONCORD, N.H.—Geo. Main has removed his office from Pleasant street to the corner of Merrimac and Orchard street.

To insure a Good Market,
Best Prices and Prompt Returns,
Growers for New York Market
Should send *Cut Flowers* to

JAMES M. KING,

49 West 29th Street,

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Enlarged space and all facilities for a large business.
Over twenty years' experience.

CALL OR WRITE. **Telephone 1675 38th Street.**

CUT FLOWERS

Roses, Carnations and Smilax.

Oldest Growers South. Try us.

GEORGIA ROSEHOUSES, Atlanta, Ga.

A. Schultheis

COLLEGE POINT, N. Y.

PALMS AND SEASONABLE

XMAS FLOWERING PLANTS

ERICA FRAGRANS, Specimens over 3 ft. high by 2 ft. diameter. Also good plants as low as 50c.

ARECA WILMOREANA, Pink trumpet, a grand lot from 50c. up.

CYCLAMEN PLANTS, Over 200 large plants with heads 10 to 14 inches, medium plants, 25c.

AZALEAS, All medium and large sizes, 50c to $5.00 each.

Extra Metrosideros in bloom.

Chrysanthemums in pots, good.

Take trolley from Long Island City. 'Phone call 51 F College Point.

KENTIA BELMOREANA.

Small surplus of fine plants 12 to 18 inches high above the 5-inch pots. Price $20.00 per 100.

ARECA LUTESCENS, from 4-in. pots, 2 ft. high 90c.

Also a few fine plants of PANDANUS VEITCHII, 4, 5, 6 and 7-inch pots, well colored, at reasonable price.

W. T. BELL, Franklin, Pa.

Rooted Cuttings of the

New Geranium Mme. BRUANT

Ready Now.

I am able to furnish this wonderful and distinct variety now by the hundred and thousand. No florist can be without this variety, being certainly the finest plant novelty of the year. Order at once and get the first grown crop, 75 cts. per dozen, by mail; $3.00 per 100, by express; $25.00 per 1000.

FRED. SCHNEIDER, 751 Crawford Rd., Cleveland, O.

PALMS CHEAP

To make room, I will sell for cash, 10,000 Latania Borbonica at $10.00 per 100. Less than 100 15c. Plants strong, not drawn, and are ready for 5-inch pots.

The E. HIPPARD CO.

YOUNGSTOWN, O.

FOR SALE.

Cineraria Hybrida Grandiflora, fine plants, 3-inch pots, $4.00 per 100. Also ASSORTED BEGONIAS, 3-inch at $5.00 per 100.

E. F. OVERMAN, Wabash, Ind.

Hardy Shrubs.

WELL ASSORTED

$50.00 per 1000.

Send for Trade List and Descriptive Catalogue.

SAMUEL C. MOON,

MORRISVILLE, Bucks Co., PA.

E. G. HILL & CO.

Wholesale Florists,

... RICHMOND, IND...

...GROWERS OF...

Roses, Violets and Carnations

Can secure a reliable outlet for their product at the

NEW AND ELEGANTLY EQUIPPED

Commission House
OF

H. A. HOFFMAN

44 West 29th Street

NEW YORK

It will pay you to call or write at once in response to this advertisement.

Retail Trade Supplied

White Violets a Specialty

TELEPHONE 1558 38th STREET *A CENTRAL LOCATION*

M. A. HART,

Commission Dealer in

CUT FLOWERS.

The largest receipts of Chrysanthemums in New York.

FINE VIOLETS AND CARNATIONS, ROSES,

All popular varieties at lowest market rates.

CHOICE STOCK FOR SPECIAL ORDERS.

PRICES ON APPLICATION.

No. 113 West 30th Street, NEW YORK.

MEET ME AT

THE FLOWER MARKET

OPEN AT 6 A. M.

All grades of stock, from ordinary up to choicest, for all demands.

THE CENTER OF TRADE IN THE METROPOLIS

FRANK MILLANG,

408 East 34th Street,

At "THE FERRY." NEW YORK CITY.

JULIUS LANG,

53 West 30th Street,

NEW YORK.

...A Growers' Market...

Where careful management, prompt returns and the confidence of the retail trade ensure to growers uniform and satisfactory results...

ALWAYS ROOM FOR MORE.

Long Distance Telephone.

Boston.

TRADE QUIET AND PROSPECTS NOT BRIGHT.—VIOLETS SELLING FAIRLY WELL.—CHRYSANTHEMUMS, CARNATIONS AND ROSES UNSATISFACTORY.—LECTURE BY ROBERT FARQUHAR.—DEATH OF N. GOODNOW.

Not much improvement is yet apparent in city trade. No doubt the quality of flowers sold daily now would a few years ago have been considered a big thing, but with the enormously increased production and the multiplicity of outlets there is little in it for either grower or dealer individually under present circumstonces. To make a shortage that would stimulate buvers to pay old values for flowers a demand must be created that would be far beyond the possibilities. The only flower that seems to fairly hold its own is the violet. Violets do not bring over fifty to sixty cents per hundred, but that is a fair price for the goods, as prices go on general run of cut flower stock and the quality of the violets in this market is not to be compared with the stock that New Yorkers enjoy and are willing to pay one dollar and upwards for. Chrysanthemums run from $2 to $8 per hundred, with sales slow. Four dollars is the prevailing figure for fair average Ivorys. Carnations are slow with evidences of overabundance for the demand and roses are, perhaps, the most unfortunate feature of the list at present.

Robert Farquhar gave an interesting talk, with stereopticon illustrations, at Tremont Temple on Monday evening, descriptive of his recent visit to the Pacific slope and Yellowstone Park. A very remarkable greenhouse was one of the many interesting pictures presented. It is situated in Yellowstone Park, at an elevation of about 6000 feet and heat is furnished by a boiling spring over which the greenhouse is built. In winter the structure is covered with from fifteen to thirty feet of snow.

N. Goodnow of Sudbury died on November 3, aged 53 years after a short illness with consnmption. He was the proprietor of an extensive range of carnation houses and his stock is well known in the Boston market.

Again the Sow Bug.

I have been troubled exceedingly this fall with some pest devouring my violet blooms. I find about 50% of my blooms imperfect and many with the petals entirely consumed. I watched closely to find the pest and at last I discovered that it was none other than the "Innocent Isopod" that your writer of October 30 is trying to shield from annihilation.

I am an observer that they will eat many kinds of green stuff, for instance violet blooms and Begonia Rex are favorite luxuries, and other things that I might mention.

I must agree with the writer that they do like decomposed vegetable substances like wood, straw, paper, etc. But in the case of my violet house everything is comparatively new, only having been built two years, and there is no decayed vegetable matter about the house; everything is as clean as a whistle. I for one unfortunate person would like to know of some easy remedy. The snail is an easy thing to get rid of as some of them are large enough to vaccinate with a double-barreled shot-gun, but the sow bng beats me every time.

Providence, R. I. WM. E. CHAPPELL.

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GLADIOLI OUR LEADING SPECIALTY.

The best stocks in America grown by the million. Carefully selected seedlings, giving the widest possible range in color, thoroughly up to date.

PEERLESS – Best commercial mixture, 60 per cent white and light,	$1.00	$8 00	$70.00
PREMIER—Best commercial mixture, 50 per cent white and light,	1.00	7.00	65.00
POPULAR—A cheap mixture of 1st and 2d size bulbs,	.75	5 00	50.00
CHILDSII—A choice mixture of this grand type,	4.00	30.00	250.00
LEMOINEI—An excellent mixture select seedlings,	1.25	10.00	90.00
Florists' white and light, first-class in every respect,	3.00	25.00	200.00
Standard white and light, an excellent mixture,	1.50	10.00	90.00
Red, choice reds and scarlets,	1.00	6.00	50 00
Pinks, choice pink and rose,	1 00	8.00	70 00
Yellows, choice yellow and orange,	2 50	20 00	175.00
Variegated, choice,	2 00	15.00	125.00

PARTIAL LIST OF NAMED KINDS.

Africain, Fatima, Grand Rouge, Bertha, May, Mabel, Ajax, Addison, La Marck, Eugene Scribe,		30 00	250.00
Brenchlyensis, Ceres, M. Moneret, Napoleon III,		6 00	50.00
John Bull,		15.00	125 00
Isaac Buchanan, Hesperide, Octoroon,		25.00	200.00
Angele, Aurore, Duchess of Edinburgh		40.00	
Ben Follett,		50 00	
Snow White,	10 00	90.00	
Shakespeare,	5 00	45.00	

CANNAS.

Burbank, Italia, L. Vaughan, Columbia,	$10.00 per 100
Souv d'A. Crozy, E. Lemoine, Midway, Chicago, Eldorado,	6 00 "
Austria, J. D. Cabos, Ad Avellon, Pres. Carnot, C. Vaughan, L. E. Bailey, Geo. St. Hilaire,	4.00 "
Florence Vaughan, Meissner, Oriole, Sunshine and Queen Charlotte,	3.50 "
Chas. Henderson, Alphonse Bouvier, Egandale, P. bruant, P. Marquant, J. M. Samuels, J. W. Elliott, $20.00 per 1000,	2.50 "

DAHLIAS.

NOVELTIES—C. W. Bruton, Iridescent, Princess Harry,	25 00 per 100
Wm. Agnew,	20.00 "
Beauty Inconstant, Elegante, Density, Snow Clad, Fairy Queen, Le Petit Jean, Red and Black,	15 00 "
SHOW AND FANCY—A. D. Livoni, Bird of Passage, Country Lad, Chick, Ethel, Frank Smith, Lucy Fawcett, May Lomas, Pluton, Psyche, Henry Weldon, Ruby Queen, Triomphe de Solferino, Vivid, etc,	8.00 "
CACTUS—Henry Patrick, King of Cactus, Maid of Kent, Nymphae, Oriental Obon, Orange Scarlet, Zulu, Lyndhurst, Coelipsel, etc,	8 00 "
POMPONE—Allie Murray, Capt. Jack, Nettie, Guiding Star, Dandy Little Cactus, Lou Kramer, Prince Charming, Red Piper, F. F. Rockwell, Beauty, Klelnn Dometia, etc,	8.00 "
SINGLES—A. Barillet, Fashion, Kate, I. Pitman, Edelweiss, J. Downie,	8.00 "

CERANIUMS—A grand selection of 50 sorts.

CARNATIONS—The cream of our 8,000 seedlings of '94, '95 and '96 worth hearing in mind. We have some white, pink, red and yellow that embrace the essential elements of the perfect carnation to a high degree. Our strain of summer blooming carnations (Bobaud, Margarite, etc, are crossed with Daybreak etc., and vice versa, is something very fine.

CHYSANTHEMUMS—A good selection of best old and new sorts, stock plants. G. W. Childs, Robinson, Mrs. Higinbotham, Gladys Spaulding, Queen, Mrs. Chas. Davis, M. M. Johnson, Ermintida, H. Bloodgood, Bonnafon, Mrs. E. G. Hill, M. Henderson—50c per dozen. Mrs. Perrin, Georgiana Pitcher, $1.00 per doz.

SMILAX—Fine, in stock, $10.00 per 1000.

Send us list of your wants.

BETSCHER BROS., Canal Dover, O.

Bridesmaids.

We offer 1200 fine Bridesmaids at a remarkably low figure. Splendid stock to follow 'mums.

Also 1000 3-inch **METEORS**, at $2.00 per 100; $17.50 per 1000.

☞ **WRITE AT ONCE.**

W. H. GULLETT & SONS,
LINCOLN, ILL.

Cut Smilax
15 cts. PER STRING.

RED PRIMROSES, 3-inch pots, $4 00 per hundred.

THE NATIONAL PLANT CO., Dayton, O.

RUBBERS

	Doz.
8-12 leaves, 10-12 in. high	$3 00
12-18 " 13 18 " "	4 00

LANTANA (Jacques Minol)

Best of all Lantanas; 4-in. plants in bloom 2 00

CYCAS REVOLUTA

A few hundred good plants in 4 in. pots, cold grown 3 00

NEPHROLEPIS Cordata Compacta

"Here is where we shine," as we have the largest stock in the west.

	Per 100
2½ in. pots	$10 00
3 " "	15 00
4 " "	30 00
5 " paus, fine stock	6 00
6-7 " " " "	9 00

JNO. G. HEINL & SON,
TERRE HAUTE,
Cash with order please. **INDIANA.**



VERBENA KING
1 MILLION

to offer the following season in 55 of the latest and best mammoth named vars. In cultivation, free from rust or mildew. Satisfaction and safe arrival guaranteed in every way to all parts of U. S. and Canada. @ 60 cts. per 100; $5.50 per 1 000, 5,000 for $25.00, 10,000 for $45.00, 25,000 for $100.00. EXPRESS PREPAID.

ROOTED PETUNIA CUTTINGS, double Dreer's and Henderson's latest strain, finest on earth, @ $1.25 per 100; $10.00 per 1000. Express prepaid.

HELIOTROPES, rooted cuttings, 10 named vars, $1.00 per 100; $8 00 per 1000. Express prepaid.

TESTIMONIAL.

MR. C. HUMFELD, Clay Centre, Kans.,

DEAR SIR:—I cannot say too much for your plants of Verbena Rooted Cuttings and the condition they came in. They were perfectly grand, the best I ever saw. I used to be one of the largest growers of Verbenas in Central New York State but I never saw anything their equal both in strength and robust cuttings, perfectly clean and free from all disease; they were not heated in packing on account of the long distance they had to come. Yours Resp'y, (HENRY BURT, Florist, 211 E. Genesee St., Syracuse, N. Y.

Cash Please. **C. HUMFELD, Clay Center, Kan.**

ROSES STRONG. HEALTHY PLANTS,

from 2½ and 3-inch pots, **Perle, Sunset, Morgan, Siebrecht, Bride. and Bridesmaid, $3.00 and $5.00 per 100.**

CARNATION PLANTS, In Cold Frame, Wm. Scott, Portia, E. G. Hill, Tidal Wave, Rose Queen, **$4 per 100; $30 per 1000.**

SWAINSONA, white, plants from 4-inch pots in buds, **$1.50 per doz.; $10 per 100.**

I will exchange for H. P. ROSES.

JOSEPH HEINL, Jacksonville, Ill.

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WITH THE



EVANS **"Challenge"**

RICHMOND, IND.

SAMUEL S. PENNOCK

WHOLESALE FLORIST



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LONG DISTANCE 'PHONE

PHILADELPHIA

AMERICAN BEAUTIES OF HIGH GRADE OUR SPECIALTY

Write us for prices on large quantities. We handle the entire cut of several of the largest Philadelphia growers of this Rose.

Fine Carnations

By the thousand at any time.

Lilies of the Valley

Always on hand.

Fine Violets, Double or Single,
Orchids, and other Choice Flowers.

We have enlarged our store; main floor now contains 2,100 square feet, with cellar and second story of same dimensions.

Our careful packing insures safe delivery.

Facilities for shipping unsurpassed.

Cleveland.

RAINY WEATHER.—PINK IVORY NOT AT ITS BEST.—A. GRAHAM & SON HAVE A FREAK BATCH OF VIVIAND-MOREL.—LARGE ATTENDANCE AT CLUB MEETING.

Looking at the weather as it is at the time of this writing, it is a matter of great congratulation that the chrysanthemum show does not come off until next week, for a worse specimen of fall weather in Cleveland would be very hard to find; it blows, rains, does everything but snow, though it will very likely end up with that and a frost to put the final touches on everything. Speaking of weather, this fall is certainly a record breaker, as we have escaped even a white frost sufficient to kill coleus up to now.

There has been considerable uneasiness lest, owing to the warm weather, all the best exhibition chrysanthemums should be over, but there will not likely be any dearth owing to that difficulty, as nearly all the customary varieties will be on hand with not more than one or two exceptions.

Viviand-Morel, this year, as well as Pink Ivory, are very pale; Pink Ivory in most cases showing almost no trace of its beautiful color, while Viviand-Morel is with many a yellow white with a dash of pink only. A. Graham & Son have a pink batch of Morel in which every flower has the petals standing out straight and much quilled, instead of being flat petalled and drooping as is usual. This lot has normal color; two other lots in other houses are pale in color and normal in form. All the batches are from the same stock plants, struck, potted and grown together and planted in exactly the same soil. Plants grown in the same house last year were not abnormal in any way.

There was a very large attendance at the regular meeting Monday evening, the last before the show. Final arrangements were made and everything looks well for a very sucessful exhibition. A.

Building and Heating.

I am in want of a little information on building a greenhouse. I want to build one 16x50 feet and 8 or 10 feet high, double roof with sash bars and butt the glass. How many runs of 3 or 4-inch pipe will I want to heat it for raising a mixed lot of plants, cabbage, tomatoes and house plants? Also how high from the ground to the plate where the glass comes? R. G.

Replying to R. G., I would advise him to build his house which he proposes to make 16 ft. wide by 50 feet long, as follows: Have the plates about 3 feet 10 inches to 4 feet high for the sides, and the ridge plate 6 feet higher. This will make his bars for the glass 10 feet long and give a good pitch for the roof. If he does not want quite so much pitch, he can make the ridge plate 5 feet higher than the sides or 9 feet from ground level which will give him about 7½ inches fall to the foot. To heat such a house to the desired temperature for his section of the country will require at least seven ordinary cast iron hot water pipes which usually have about 3¼ bare inside measure or 4 inches in diameter outside measure; this of course is calculated for hot water. If steam is to be used, then smaller pipes not over 1½ inch should be used, and these should be wrought iron, but for such a greenhouse hot water would be much the best and safest.

JOHN N. MAY.

GERANIUMS.

Strong, well established stock from 2-in pots. The following varieties now ready: Mme. Jones, Mme. de la Roux, La Favorite, W. A. Chalfant, Pres. Duboise, Madonna, Alph. Riccard, Leonard Kelway, Beaute Poitevine, S. A. Nutt, Rev. Atkinson, Mme. Buchner, Mrs. A. Blanc, Marvel, Double General Grant, Mme. Ch. Molin, Gloire de France and Acteon.

FOR DECEMBER DELIVERY.—J. J. Harrison, E. Leguerre, Dr. Audiguere, Comtesse de Danne, Bonnatt, Mary Hill, Bonne de Villenova, Comtesse de Castris, Triomphe de Nancy, William Pfitzer, Mme. Jaulio, H. de Bornier, Comtesse de Harcourt, Athlete, Olivia, Dr. Rothera, James Kelway, L. Swartling, Mrs. E. G. Hill, H. Dauthenay, Mme. Bruant, Benj. Schroeder, Columbia, Midsummer, Gertrude Pierson, McMahan, Silver Queen, Gettysburg. Also a fine collection of IVY GERANIUMS and PELARGONIUMS.

CANNAS.

REMEMBER we hold the entire stock of James Dean's PEDIGREE SEEDLINGS.

PRESIDENT WILLIAM MCKINLEY. Color brilliant crimson, with scarlet shading. Plant dwarf, growing from 2½ to 3 feet high in rich soil. Foliage deep green, with heavy chocolate margin. Plant stools freely and is an abundant and very early bloomer. The flower sheaths are highly colored as in Alphonse Bouvier. The trusses are large, of good shape and held well above the foliage, and the growth is compact and even. This variety may be considered a marked improvement upon Chas. Henderson, Columbia and other crimson Cannas. The effect when massed is extremely brilliant, the color contrasting finely with the deep green foliage. We place this variety at the head of the list of crimson cannas, and believe that it will prove invaluable for bedding purposes. Certificated. Trade prices, 75 cts. each; $60.00 per 100, from 4-inch pots.

DEFENDER. Color clear yellow, striped with bright scarlet. Height, 3 to 3½ feet. Habit somewhat resembling Columbia. An early, very profuse bloomer, producing fine large heads of broad petaled flowers. Foliage clean, distinct, and a good grower. This canna will prove very effective for massing, as it produces a greater proportion of flowers to the foliage than almost any other yellow canna. Certificated. 75 cents each; $60.00 per 100. From 4-inch pots.

Also all the other standard varieties of cannas. It will pay you to send us a list of what you need and allow us to make you special quotations.

THE COTTAGE GARDENS, Queens, N. Y.

$1.00. COLLECTION. $1.00.

2 New Velvet Plants, big seller	$ .15
1 Old Man Cactus, from 4-inch	.15
5 Begonias, newest flowering, 3-inch	.20
10 Newest Coleus, named, 2¼-inch	.30
20 Newest Geraniums, named, 2¼-in.	.60
100 Giant Flowering Pansy Plants	.50
$1.00. ALL FOR $1.00.	$1.90

—ALSO—

	Per 100	Per 1000
Pansy Plants, seedlings, strong.	$ .50	$3.00
" " transplanted, bushy	.75	4.00
Geraniums, named, newest, 2¼-inch	2.00	15.00
Geraniums, unnamed, newest, 2¼-inch	Per 100 1.25	1000 10.00
Begonias, flowering, fine, 3-inch	2.00	
New Velvet Plant, 3-inch	50c doz.	
Cut Carnations, all colors	1.00	9.00

WILL GROW ON ORDERS

Verbenas, Coleus, Salvias, Petunias, at rate of $4.00 per 1000.

Carnation Cuttings new and old varieties for $5.00 per 1000 up, according to newest varieties.

The Morris Floral Co.,

'PHONE 52 MORRIS EXCHANGE. - - - MORRIS, ILL

DEUTZIA GRACILIS....

FOR FORCING.

STRONG PLANTS ..... $7.00 per 100
H. P. ROSES, 2 YEARS ..... $8.00 per 100
Anne de Diesbach, General Jacqueminot, Paul Neyron, Magna Charta, and others.

COMMERCIAL NURSERIES. Address W. S. LITTLE & CO., ROCHESTER, N. Y.

ROBERT CRAIG,
Roses, Palms,
and Novelties in Decorative Plants,
Market & 49th St., PHILADELPHIA, PA.

FERNS.

We make a Specialty of small Ferns for the Fall trade.
Write for special prices on large quantities. Order early.

JOHN SCOTT,
Keap Street Greenhouses, BROOKLYN, N. Y.
Mention American Florist.

We are now Booking Orders for that Peerless New Yellow DAHLIA

Clifford W. Bruton.

It is an early and profuse bloomer, while the flowers are of immense size and grow on very long stems. Address

W. P. PEACOCK, ATCO, N. J.

	Per 100
SMILAX—Strong 1 year	$1.50 and $2.50
CLEMATIS—Leading kinds for fall	
PÆONIAS—Herbaceous, choice asst	8.00
NARCISSUS—Double and single Poets	.75
RED JACKET COOSEBERRIES—Very low prices.	
DOWNING COOSEBERRIES—1 and 2 year.	
DAISIES—Snowflake and Snowdrift	2.00
H. P. ROSES—In assortment	10.00

F. A. BALLER, Bloomington, Ill.

NEW Dwarf Sweet Pea, Burpee's PINK Cupid

THIS little wonder, like the original Cupid, hails from California, having been discovered by C. C. Morse & Co., to whom we paid *fifteen hundred dollars cash* for the exclusive ownership when there were only 1000 seeds in existence. It is not a sport from the original White Cupid, but an actual departure from its parent, the tall Blanche Ferry. In habit and manner of growth it is strictly a Cupid, spreading from the root, from a foot to eighteen inches around, growing from six to eight inches high, and shoots up stems about six inches long, which bear, in full bloom at once, from *three to four handsome blossoms*, all borne close to the end of the stem.

The flower itself is pretty enough, but its attractiveness is doubled by its association with CUPID—the first colored Cupid to follow the famous dwarf white.

The standard of the flower is wide, not infrequently measuring an inch and a half, but not over an inch high, being developed laterally. It usually curves over a trifle at the top, partly concave, which gives the standard a distinct shell-shaped appearance. The standard is a bright rose pink, while the wings are pure white or light pink. The wings are very large and finely formed; when pressed back against the standard they extend fully a quarter of an inch beyond it.

The substance of the blossom is peculiarly heavy and it will appear fresh and vigorous in a glass of water long after its long-stemmed parent has withered and and died. The plant itself is vigorous and hardy, and those who had poor or indifferent success with White Cupid will find this variety **easy to grow anywhere.** The seed, which is *black*, is of wonderfully strong germination, and the plant an early bloomer, coming into bloom simultaneously with White Cupid.

Though flowering early it continues in bloom very late, bearing a profusion of blossoms so thick as to completely hide the plant itself. It will be without a rival as a bedding and border annual, for its color and fragrance make it a rare novelty.

In our field crops the past season, both in California and New York, a large piece of them looks as if the ground were literally strewn with bright pink rose buds. No novelty of recent introduction has such beauty and grace combined to it as has **Burpee's PINK Cupid.** It is also delightfully fragrant, and will be admired by every one who sees it.



A Single Plant, exactly engraved from a photograph of Burpee's PINK Cupid.

The illustrationabove has been accurately engraved from a photograph of a single plant, grown in ordinary field culture, lifted and set in a pot on a platform, for the purpose of photographing on a level with the camera. Every plant in our fields in California and New York and at Fordhook Farm was absolutely true—a perfect "Blanche Ferry Cupid." The Flowers are always of full size, measuring from one and a quarter to one and three-eighths inches across the standard—covering a silver dollar.

Burpee's Pink Cupid bears generally three and sometimes four flowers to a stem. The illustration below was accurately engraved from a photograph EXACTLY NATURAL SIZE. The flowers are identical with the tall growing Blanche Ferry and always fully equal in size.



To regular sized packets (each containing twenty-four seeds): Per pkt. 25 cts.; 5 pkts. for $1.00; per doz. pkts. $2.00. **Per 100 pkts. $12.50.**

In half-sized packets (each containing twelve seeds): Per pkt. 15 cts.; 2 pkts. for 25 cts.; or 10 pkts. for $1.00. **Per 100 pkts. $7.50.**

Directions for culture in English, French and German printed upon each packet.

TWO OF MANY.

REPORT FROM MR. ECKFORD.

WEM, SHROPSHIRE, ENGLAND,
September 13, 1897.

MESSRS. W. ATLEE BURPEE & CO., Phila., Pa.

GENTLEMEN:—I am pleased to tell you that the "PINK CUPID" Sweet Pea you were good enough to send me for trial has been a great success. White Cupid has done much better than last year, but still not up to the Pink variety which holds its bloom better and consequently gives a much better display. I don't think too much can be said in favor of Pink Cupid. At present, it occupies a place of honor in dwarf Sweet Peas. I am, gentlemen,

Yours faithfully, HENRY ECKFORD.

AMERICAN GARDENING.

NEW YORK, September 9, 1897.

MESSRS. W. ATLEE BURPEE & CO., Phila., Pa.

GENTLEMEN:—I have just returned from a trip to Jefferson County, New York, where one of the most beautiful sights to me was a bed of PINK CUPID. It was a mass of blossoms exhaling a delicious fragrance into the air; and that its past had been equally grand was evidenced by the seed pods, while the promise for the rest of the season lay in the multitude of buds yet to expand. Truly as a flowering bedder Pink Cupid is a success.

Yours faithfully, LEONARD BARRON, Editor A. G.

FOR OTHER REPORTS See Special Catalogue, mailed on application.



Wholesale Catalogue of Sweet Peas

FOR THE TRADE ONLY.

Giving testimonials from expert Horticulturists in England, France, Germany and America, as to the **Hardy Growth** and **Rare Beauty** of

Burpee's Pink Cupid.

Will be mailed to Dealers on application.

W. ATLEE BURPEE & CO., Seed Growers, PHILADELPHIA, PA.

Toronto.

FAIR DEMAND.—SHOW PROSPECTS GOOD — FIRST SNOW. — DECORATIONS FOR THE SHOW.—A NEW SOCIETY ON THE TAPIS.

Chrysanthemums have the swing now, and roses are being advertised at 30 cents a dozen by the biggest retailer in the city. There appears to be any amount of cut flowers offering and the demand for them is very fair. The fact of the chrysanthemum show being advertised so much just now helps to make the demand larger. There is some very fine stock coming in. Chrysanthemum plants are not so much seen now as in former years, the prices obtained don't pay for the growing, and badly grown plants don't sell at all.

Prospects for the show seem to be very good, but as it does not open until Wednesday (10th) afternoon it will be impossible to say anything about it in this week's notes, more especially as your correspondent has been appointed judge of plants, an office entirely unsought for on his part. It being a well known fact a prophet has no honor in his own country he expects a sharp fire of criticism; he has been practicing the "glassy stare" and will be heavily armored above the water line. Protests accompanied by $2 can be received by the secretary in any quantity.

The first snow of the season has fallen today (9th) and though it is not very cold, it can hardly be called an ideal day for moving plants; however, in spite of it all the boys are rushing their plants into the Pavilion, fearing probably that it may be colder tomorrow. The decorations of cedar and oak leaves are going to look very pretty when finished. Entries are coming in well in all the classes except "chrysanthemum plants". The big palms, the section for which was cut out this year (foolishly, I think), will be much missed; there is nothing like them for adding grandeur to the general effect.

On Thursday (11th) evening there will be a meeting to discuss the formation of a Canadian Gardeners' and Florists' Society. Mr. Gammage of London is engineering the matter. E.

Mound City, Mo.

Mr. R. B. Preston has sold his interest in the greenhouse here and will leave the city. The firm is now Bennett & Downey.

We had the first cutting frost on the morning of October 29, up to which time tomatoes were still ripening nicely and all flowers blooming as in summer. And even after having two sharp frosts and some ice, we were still able to gather enough flowers out of doors on the 1st of November to fill two good sized funeral designs. This fall must surely be a test case on the florists to see how long it would take them to have everything secure for the winter and I have no doubt that many were still unprepared when severe weather came. Everything is looking fine indoors. The only trouble being that spring stock is growing too fast and will cause extra propagating later on.

Chrysanthemums are coming in and as the weather gets cooler trade is increasing. The prospect for winter and spring trade is good. W. P. R.

THOMPSONVILLE, CONN.—Mr. D. Wm. Bralnard gave a very pretty chrysanthemum show at his greenhouses November 9 to 13.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.



GLADIOLUS—MAY

FROM FORCED BULBS.

We offer to Forists and Dealers a stock of Smooth Gladiolus Bulbs. They are Business Bulbs for Counter Display or Catalogue Orders. We have grown a large stock of **MAY for forcing.** Correspondence solicited.

CUSHMAN GLADIOLUS CO. - - EUCLID, OHIO.

Semple's Asters.

SEED will be ready about New Year's, in separate colors pink, white and lavender; also limited quantity mixed.

(Watch for advertisement).

JAMES SEMPLE,
Box 2. BELLEVUE, PA.

CYCLAMEN GIGANTEUM SEED.

A choice mixture of the finest giant-flowering varieties. Per packet, 25 seeds, 25 cts.; 3 pkts. 60 cts., 6 pkts $1.00

PRIMULA OBCONICA, 1000 seeds, 50 cts.

A packet of the new compact erect Alyssum given with every order.

JOHN F. RUPP, Shiremanstown, Pa.



PALMS AND FERNS.

The LARGEST STOCK west of New York.

GEO. WITTBOLD, 1708 N. Halsted St., CHICAGO.

PRIMULAS.

$3.00 to $5.00 per 100, in bud and bloom, fine for holidays, nice bright colors.

SOLTAU'S PANSY PLANTS, $2.00 per 1000.

NEW COLEUS, never before offered.

W. B. WOODRUFF, Florist, WESTFIELD, N. J.

Always mention the American Florist when writing to advertisers.

PALMS

FOR EARLY SHIPMENT BEFORE FREEZING WEATHER.

ARECA LUTESCENS.

3-in. pots, 15-18 in, 2 plants in a pot. . $2 00 doz., $12 00 per 100
6-in. pots, 24 in. high, bushy . . . each 75 cts., $9.00 doz.
7-in. pots, 30-36 in. high, bushy . . . . . each $2.00, $20 00 doz.

COCOS WEDDELIANA.

3-inch pots . . . . . $3.00 doz.

KENTIA BELMOREANA.

3½-in. pots, 12 in. high, fine stuff . . . . . $4.00 doz.
4-in. pots, 15 in. high, " . . . . . 6.00 doz.
5-in. pots, 18 in. high, " . . . . . 9.00 doz.
6-in. pots, 24 in. high, " . . . . . 18.00 doz.
6-in. pots, 30 in. high, " . . . . . 24.00 doz.
7-in. pots, 36-40 in. high, " . . . . . 4.00 each

KENTIA FORSTERIANA.

5-in. pots, 24 in. high, fine stuff . . . . . $1.50 each
6-in. pots, 30 in. high, " . . . . . 2 00 each
7-in. pots, 3 4 feet high, " . . . . . 3.00 each
8 in. pots, 4 5 feet high, " . . . . . 4.00 each
8 in. pots, 5-6 feet high, " . . . . . 6.00 each

PHOENIX CANARIENSIS.

8-in. pots, 3 feet, bushy plants . . . . . $3.00 each
10-in. pots, 4 feet, bushy plants . . . . . 4 00 each

LATANIA BORBONICA.

4-in., 2 character leaves . . . . . $3.00 doz.
5-in., 3 character leaves . . . . . 4.00 doz.
5-in., 4 character leaves . . . . . 6.00 doz.
6-in., 5 character leaves . . . . . 9.00 doz.
7-in., 6 character leaves . . . . . 15.00 doz.
7-in., 7-8 character leaves, 3 ft. high (leaves somewhat clipped) . . . . . 3 00 each
8-in., 9 10 character leaves, 5 ft. high (leaves somewhat clipped), ... 5.00 each

FICUS ELASTICA.

10-12 in. high . . . per doz., $4 00
12-15 in. high . . . " 6 00
20 22 in. high . . . " 7.50
24-30 in. high . . . " 10.00

True, large leaf variety; we have a large stock of cool, well grown plants.

ARAUCARIA EXCELSA, 6-in. pots, 15-18 in. high, 4 whorls, $1.50 each
ASPIDISTRA VARIEGATA PLANTS, in all sizes. . 10c per leaf

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SURPLUS BULBS.

Stock is in first-class condition. Special low prices to close out.

		Per 100	Per 1000
ROMAN HYACINTHS,	white, 12-14 ctms	$2.15	$19.00
" "	Rose	1.25	10.00
DUTCH "	2d size named, our selection, good assortment	3 75	35.00
TULIPS,	single late, extra fine mixed	0.75	5 00
"	single early, " " "	0 50	4.00
NARCISSUS,	Chinese (Chinese grown), select stock	4.25	40.00
"	**ALBA PLENA ODORATA**	0.60	5.00
"	**POETICUS**	0 50	4.00
"	" **ORNATUS**	1.00	8 00
"	**ORANGE PHOENIX**	1 75	15.00
"	**TRUMPET MAJOR**	1.10	10.00
"	**GOLDEN SPUR**	3,00	
"	**DOUBLE ROMAN**	0.75	5.00
"	**VON SION,** fancy stock	1.50	14.00
"	**PRINCEPS**	1 10	10.00
LILIUM LONGIFLORUM,	Japan grown, 6-8-inch.	3.50	25.00
" "	" " 7-9-inch.	4.75	35.00
SPIRÆA JAPONICA		4 50	
"	**COMPACTA MULTIFLORA**	7.50	
"	**ASTILBOIDES FLORIBUNDA**	7.50	

XXX Holly.

Our "GET THERE" Holly is still in it. Others say they have "as good as Vaughan's," which means ours is the **Standard** for **Time, Quality** and **Solid Packing,** per case $4 00 to $5.00.

If you want the smooth-leaved Southern Holly, we can supply it at $3 50 a case in Chicago

HOLLY WREATHS, extra heavy, 12-inch, $2.00 per doz.; $12.50 per 100.

BOUQUET GREEN.

NOW is the time to buy. Write or wire us for the lowest prices, stating quantity required. We are positively right on this stock.

Mistletoe, very fine, well berried, $5 a box.

Cape Flowers, Immortelles, Rattan, Etc.

When you **Want Holiday Stock** write or wire us. You will get it.

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Just Arriving.

A choice stock of our "International" Brand

LILY OF THE VALLEY.

PER 100 . . . . . $1.35
PER 1000 . . . . . 10.00
PER CASE OF 2,500 . . . . . 24.00

TO ARRIVE SOON.

Our other brands of this stock, viz. . . . . .

"LONDON MARKET,"
The finest pips in existence for early forcing. Per 100 $1.65, per 1000 $13.75, per case of 2,500 $33.75.

"PREMIUM,"
Equal to "London Market," for late forcing. Per 100 $1.50, per 1000 $12.25, per case of 2,500 $30.00.

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay Street. 84 & 86 Randolph Street, CHICAGO.

Chestnut for Greenhouse Benches.

I would like to inquire through the FLORIST if anybody has used chestnut boards or planks for greenhouse benches, and if so what was the result.

As it is very durable I see no reason why it is not used almost exclusively except the bad smell it gives off when it becomes wet. I do not know whether the smell will last long or not, but while it does last it is simply abominable.

E. O. R.

The above inquiry brings back very forcibly my own experience with this material some seventeen or eighteen years ago when building some new benches in my greenhouses. I had among the workmen a carpenter who was a great advocate of chestnut timber as a very durable wood, and he tried his best to convince me that it was just the thing to use. "Why," said he, "look at those fence posts out there; I helped to put up that fence fifteen years ago, and nearly all the posts are sound to-day, and if they will stand in the ground out there as long as that why should not the same kind of wood stand in your greenhouses better than this abominable Pennsylvania hemlock?" He induced me to try the chestnut for my benches, and when they were completed his remark to one of the other workmen was: "And sure what a fool I was to be after persuadin' the boss to use this beautiful wood, for sure we will not git another job to do the like in a long toyme. It's myself that's to blame. Niver mind, the boss will be recommending me to all the other granehouse men for the illigent job."

Well, the "illigent job" gave off rather an unpleasant odor when we began putting water on it. This did not last long, neither did the chestnut lumber. Many of the 1½-inch thick planks were rotten and had to be repaired in two years, and the fourth year not one plank in the whole lot was safe to trust for another season. I do not want to say that all chestnut timber will go the same way, as there is a great difference in this material grown in different localities, but mine was taken from elevated ground where chestnut is supposed to produce the best quality timber for any purpose. One thing is certain, mine was rather a costly experiment, and one I did not care to repeat. The constant heat and moisture of the greenhouse proved too much for such porous wood, and I would to-day prefer the hemlock to the chestnut even at considerable more cost, though on that score the hemlock is very much the cheapest in first cost, but after trying nearly all kinds of lumber advocated for durability, I am now convinced to think that good cypress will prove much the best wood for greenhouse purposes, at least such proves to be for

Summit, N. J. JOHN N. MAY.

Thermostats.

R. W. S., Ohio, asks where he can purchase a thermostat and electric bell outfit for his greenhouses. Having had similar inquiries from other growers I have looked into the matter a little and have at last located a dealer in New York City, J. H. Bunnell & Co., 76 Cortlandt street.

The outfit that I experimented with, mentioned in a previous issue, was furnished by a house in Milwaukee, Wis., and cost about $5 a house and was fairly satisfactory. A Philadelphia firm, the name I have forgotten, handled this class of goods a few years ago and probably does at present. ROB'T SIMPSON.

THE MOST USEFUL NEW PLANTS FOR FLORISTS

Asparagus Sprengeri

This is now grown extensively by all the leading eastern florists, not only for cutting, but also for all decorative purposes. It forms specimens 12 feet in circumference, with plume-like sprays 8 feet long.

Fine Plants 2 1-2 inch Pots, $6.00 per 100; 3 1-2 inch, $10.00 per 100; 6 inch, $50.00 per 100; 25 at 100 rate.

Seed of above to arrive November-December, $1.75 per 100; $15.00 per 1000.

NEW GOLDEN CALLA (Richardia Pentlandii)

The only true GOLDEN YELLOW CALLA, flowers as large as the White Calla; very free bloomer and good grower. Not long ago 90 guineas were refused for two plants offered at auction in England. Strong blooming size bulbs, $1.50 each; $15.00 per 12.

PURPLE FRINGED CALLA Flowers 9 inches long, purple and white, curious fringed, 50 cents each, $4.00 per 12.

NEW CANNAS

The following New Cannas were originated in our establishment and first sent out by us.

Philadelphia, the finest crimson scarlet to date
Duke of Marlborough, the darkest of all Cannas, an improved Philadelphia.
Lorraine, pink broadly edged white.
Topaz, the only pure yellow.
Cuba, largest gilt edge.
Duchess of Marlborough, the only pure pink
Klondike, the only large pure orange.
Champion, largest and finest scarlet.
Maiden's Blush, rosy flesh.
Moonlight, nearly white.
Triumph, Mephisto, Sensation and others.

Parties wishing to catalogue these in 1898, will be given liberal terms. Electros and colored plates at cost. Send for list.

DAHLIAS Prize Winners, Grand Duke Alexis, Gilt Edge (new), Red and Black, Mrs. Agnew, Snowclad and all leading novelties.

Ruellia Makoyana Fine novelty for florists' use, $2.50 per 12

SUMMER BLOOMING BULBS For catalogue men—very large assortment at very lowest prices.

Dutch Bulbs Send for list of surplus bulbs at very low prices

ELECTROTYPES FOR FLORISTS AND SEEDSMEN

We have more than 12,000 electros of Flowers, Plants, Fruits, etc. List of catalogues on application. Wood Engraving and Process Work made to order at lowest possible prices.

A. BLANC & CO.,

314 and 316 N. 11th St. **Philadelphia, Pa.**

WELL BOUGHT IS HALF SOLD.....

Bouquet Green .. .. Holly.

Evergreen Wreathing, Holly Wreaths, Mistletoe, etc.

The right kind at the right price, and last, but not least, **at the right time.**

We have an unbroken record as HEADQUARTERS. Send us your list of wants for BOTTOM FIGURES.

W. W. BARNARD & CO.,

186 East Kinzie Street, CHICAGO.

Marie Louise

VIOLETS.

Extra large field clumps, full of buds, perfectly healthy, **$4.00 per 100.**

CANNAS AUSTRIA.

Good, plump eyes, at **$3.00 per 100.** Other leading vars. at low rates.

W. W. COLES,

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JAPANESE NURSERIES,

Importers, Exporters and Growers of PLANTS, BULBS, SEEDS, Etc.

ESPECIALLY

LILY BULBS, CYCAS REVOLUTA, MAPLES, IRIS, TREE PAEONY.

Our stock is the best, at the lowest prices, and we test everything at our experimental garden on Columbia street, Dorchester, Mass.

Wholesale Price List to the trade only.

Branch of YAMANAKA, AMANO & CO.

272 Boylston St., BOSTON, MASS.

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FERNS, MOSS, GALAX, LEUCOTHOE.

ALL HARDY GREENS FOR

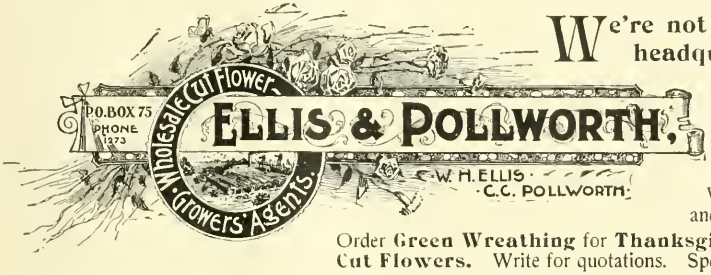
FLORISTS' USE.

We have leased the premises at 18 Chapman Place, formerly occupied by H. E. Hartford, for the handling and storage of these goods, and will hereafter keep the largest stock in New England.

Holly and Palmettos for the Holidays.

GEORGE A. SUTHERLAND, 67 Bromfield St. and 18 Chapman Place, Boston, Mass.

Long Distance Telephone 1270.



We're not in the woods but we are headquarters for

Bouquet Green

also select grade **Delaware Holly**

We also ship out **perfect Palms** and **fine Ferns** at reasonable prices.

Order **Green Wreathing** for **Thanksgiving** now. Unexcelled service in **Cut Flowers.** Write for quotations. Special price in quantity.

ELLIS & POLLWORTH, Milwaukee, Wis.

NEW PRICE LIST OF

Neponset Flower Pots

Made of Waterproof Cardboard, of nice terra cotta color.

Terms—Net cash with order. If ordered shipped by FREIGHT, ADD 50 CENTS CARTAGE.

Size	Packed in Crates of	Gross Weight per 100 pots	Per 100	Per 1000
2¼-inch	1000	about 20 lbs.	$0.25	$2 20
2½ "	1000	" 25 "	.30	2.50
3 "	1000	" 34 "	.45	3.90
3½ "	1000	" 45 "	.60	5.15
4 "	500	" 76 "	.80	6.90
5 "	500	" 100 "	1.20	10.35
6 "	500	" 150 "	1.65	14.55

Standard Pot Measure.

Less quantities than full crates at 100 rates.

F. W. BIRD & SON, Manufacturers.

Address orders to our Agents,

August Rölker & Sons

52 DEY STREET, NEW YORK.

R. & J. FARQUHAR & CO., Boston, Mass.

Costs 4 cents for each 600 feet of floor space.

Kill the Bugs! AND SAVE THE BLOOMS

Does not injure the most sensitive plants. Endorsed

Nikoteen

by prominent florists. Used for fumigation or spraying indoors or out. 200 pounds of tobacco in one pint of Nikoteen. Sold by seedsmen. Circular free. SKABCURA DIP CO. CHICAGO.

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GALAX LEAVES

Every leaf perfect, and packed in the most convenient and best possible manner.

Leading WHOLESALE FLORISTS, or write for price and free sample to

CHAS. H. RICKSECKER, Linville, N. C.

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GREENHOUSE BOILERS A SPECIALTY.

THE BEST FOR ALL Florists'

"ROSE LEAF" EXTRACT OF TOBACCO INSECTICIDE

FOR SALE BY SEED STORES

For Free Pamphlet write to

LOUISVILLE SPIRIT CURED TOBACCO CO

Louisville Ky

GREENHOUSE ROOF CONSTRUCTION.

A New Machine. Lowest Figures.

. . . . WRITE US.

GEO. TAYLOR & SON, Morris, Ill.

When writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

Cincinnati.

BUSINESS SHOWS MARKED INCREASE — SPORT FROM FLORA HILL CARNATION. —CHRYSANTHEMUM "PENNSYLVANIA" —VARIOUS ITEMS

Business this week has shown a marked increase, especially among the storemen and wholesale houses. Quite a number of swell weddings and other social events created a demand for flowers, while the Sixth Street Flower Market has been in an overcrowded condition all the week. Stock of all kinds has been in excess of the demand, and only with the greatest difficulty, and then at a great reduction in values, was a clearance effected.

At the market Mr. E. Fries, of Newport, Ky., showed a beautiful sport of Flora Hill carnation. The color of this sport is a shell pink splashed with white. Mr. Fries stated that the sport grew as well as the type.

Two vases of chrysanthemums were staged at the club room before a committee on November 6. One variety sent by Mr. Hugh Graham is a beautiful and pleasing shade of yellow named Pennsylvania, and is a sport from Philadelphia; stem, foliage and form of flowers identical with that of parent. Everybody fell in love with it. Mr. Elmer D. Smith, of Adrian, Mich., exhibited a seedling, a cross between H. L. Sunderbruch and McK. Twombly, color canary yellow shading to white, petals irregular, flowers good form.

Mr. Julius Peterson has his usual quota of high grade chrysanthemums. His Mutual Friend and Philadelphia are the best in town. They retail at his Fourth street store at from $3 to $5 per dozen. Mr. Peterson has abolished the cultivation of pot chrysanthemums as the demand for pot plants has fallen off considerably during the last few years, but more space has been devoted to the cultivation of decorative plants. In one of the houses a bench of Nephrolepsis davallioides furcans is making a grand showing.

Several of the craft attended the chrysanthemum show at Indianapolis. They all speak highly of the show in general and were royally entertained. Albert Sunderbruch left November 10 for the Windy City to attend the show there.

H. SCHWARZ.

American Grown Tulips.

Mr. J. C. Vaughan, of Chicago, is in receipt of some tulips of single named forcing kinds grown in Washington Territory. The bulbs are very large of their respective kinds, plump and sound, but the outer skin or shell which gives the Dutch bulbs a commercial finish is lacking in these. Their forcing qualities will be tested.

COLUMBIA, CITY, IND.—Miss Ida M. Lore has lately purchased the retail establishment, formerly conducted by Mrs. S. A. Amerman and will grow roses, carnations and miscellaneous stock.

Fine Delaware Holly
AND BOUQUET GREEN.

Get your order booked now while the special prices last. Guarantee Delaware Holly 2x2x1 cases solid packed, $2.50 case. Extra fine $3.00.
BOUQUET GREEN, $3.75 per hundred.
Moss, Laurel Wreaths and Roping of all kinds at low prices. Special freight and express rates.
Cash with order.
A. LUSBY & CO., 2116 Diamond St., Phila.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

August Rölker & Sons
New York
52 DEY STREET
Wholesale Dealers in
FLORISTS' SEEDS
BULBS and Supplies of all Kinds

Such as:
Wire Frames, Tin Foil, Cotton Wadding, Wax Paper, Florists' Pins, Letters, Chenille, Immortelles, Cape Flowers, Milkweed Balls, Pressed Ferns, Wheat, Funeral Sheaves, Moss, Palm Leaves, Potcovers, Ferndishes, Cork Bark,

Baskets of all Kinds,
METAL FLORAL DESIGNS
in the greatest variety and at all prices, etc.
Every Florists' Store Needs
Our latest improved
Self adjusting Plant Stand,
square shape, of bronzed cast iron, light but strong; can be raised from 24 in. normal to 42 in. extreme height, at 2 in. intervals.
Price the dozen, $24; single stands, $2 50



CHINA FERN DISHES
with removable white clay liners,
in **Limoges** and **Delft** Styles,
diam: 6 in. $1.10, 7 in. $1.40, 8 in. $1 70 ea.
the dozen $12 00, $15.60, $19 20

Prepared Cycas Leaves
in regular quality.

		Pair	Doz.
Size I—16-22 in. length	$	40	$2 00
II—24-30 "		50	2 50
III—31-35 "		60	3 00
IV—36-44 "		70	3 50

in extra selected grade, we offer:
the pair at 50c., 60c., 70c., 80c., 90c., $1.00, $1 50 according to lengths.

NATURAL CYCAS WREATHS
Orlando
made of many small Cycas leaves, very artistically combined, to be used plain or trimmed with clusters of fresh flowers:

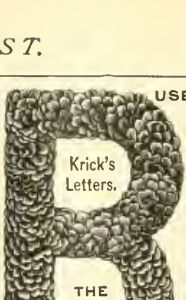
Size I—24 in. spread, at	$2 40	each.
II—28 "	3 60	"
III—36 "	4 80	"

CHRISTMAS HOLLY Best Delaware, single boxes of 16 cubic feet.....$4 50
larger quantities at rate $4 each box.
Send your orders now to secure timely delivery, also for

Bouquet Green, best Eastern grown, in bags of about 50 lb., at 7c. the lb. original weight.

Our New List with full details free to applicants in the trade. Note our change

Address: 52 Dey Street, New York.



USE **W. C. KRICK'S FLORISTS'** Immortelle Letters, Etc.
Medal Awarded at the World's Fair.
And Highest Award Wherever Exhibited.

These Letters and Designs are made of the best Immortelles, wired on wood or metal frames, having holes drilled in them to insert toothpicks, by which they are fastened in the design. Give them a trial. You will find these goods to be superior to any in the market.

2-inch Letters, $2.50 per 100.
Postage, 15 cts. per 100.

For other styles of Letters, Emblems and Designs, send for catalogue. Before purchasing send for free sample and catalogue, and compare with any other letter on the market.

For sale by all Florists' Supply Dealers.

THE



Perfect Flower Pot Handle and Hanger

Is used for lifting plants out of jardinieres, also for hanging up plants for decorations on walls, etc. Will sustain a weight of 100 lbs.

No. 1 will fit from 2 to 5-inch pots, per doz. 35c; No. 2 will fit from 5 to 8 in. pots per doz. 50c; No. 3 will fit from 8 to 12-in. pots, per doz. 60c. Postage 10 cents extra per dozen; sample pair 10c. postpaid.

W. C. KRICK, 1287 Broadway, Brooklyn, N. Y.

A Source Of Danger

Is a Plant Food that contains **ACIDS.** Do you furnish your customers with such an article? **Better not.**
A few of the good points in our Excelsior Food
FREE from Odor.
FREE from Coloring matter.
FREE from Acids.
Perfect solubility.
We furnish a booklet "The Window Garden" by Eben E. Rexford Floral Editor of the "Ladies Home Journal."
Have you purchased your Plant Food for Fall and Winter trade? If not write us for prices and terms.

The Walker Fertilizer Co.
CLIFTON SPRINGS, N. Y.

CHARLES W. JACOB & CO.
DIRECT RECEIVERS OF
CAPE FLOWERS.
Write us for Samples and Prices.
NO. 63 PINE ST., NEW YORK.

BOUQUET GREEN.
Best Quality at Lowest Rates. We gather our own greens and bring by our own boat direct. Also **Christmas Trees.**
NORTHERN MICHIGAN EVERGREEN NURSERY,
S. W. corner Clark St. Bridge, **CHICAGO.**

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

"Klondike Gold Mines" ONCE MORE

There are still a **few** Florists in this **large and Glorious Country** (but not many) who have failed to take advantage of our **Klondike** advice, which appeared in the last Convention Edition of the Trade Papers. For the benefit of these **few**, we take this opportunity, to **again** call your **attention** to the **real live fact** that we are

Importers and Manufacturers of Florists' Supplies Second to None

If your name does not already appear on our books, there must be something wrong, and to convince you of the **just** treatment you would receive from us, make inquiries of any of our numerous customers, we then will feel confident of your patronage. Following are **only** a **few** of our **Specialties** and **Novelties:**

Baskets Fancy and Plain **Immortelles** all Colors Enameled, Celluloid and Willow **Pot Covers**
Moss Wreaths Enameled **Pedestals**
Artificial and **Wax Flowers** and **Leaves** **Doves**
Sago or **Cycas Palm Leaves** of various qualities and prices

METAL DESIGNS

Dried Grasses ❋ **Chenille** ❋ **Galax Leaves**
Lycopodium
Our **Famous Unparalleled Wheat Sheaves** Flat and Standing

We are Agents for

Caldwell's Southern Greens

Also SOLE Agents for

MYERS' STANDARD IRON FLOWER STANDS

We most cordially invite Inspection and Comparison to our unexcelled stock. Quotations cheerfully given.

M. Rice & Co.

25 N. 4th Street. PHILADELPHIA, PA.

Rochester, N. Y.

The retail trade in cut flowers was quite satisfactory for the past week; the demand for chrysanthemums is equal to any former week and consequently prices remain as they were; good large flowers find ready purchasers at $3 per doz., while inferior stock is sold at all prices down to 75 cents. Chas. Suhr sends in some excellent flowers which command the highest price in the market; his Robinson, V. Morel, Queen, Lager and Pitcher are the best we have seen here; $12 to $20 is paid for these willingly. By the way Mr. Suhr also has a sport from Robinson, which is identical with it in growth, foliage and shape of flower but differs in color, the under side of the petals being creamy white and the inside bright straw or sulphur yellow; it may prove a valuable addition to our market varieties and he is going to propagate it largely another year. Violets, double and single, bring 50 to 75 cents or even $1 per 100 for extras at wholesale; more of them could be disposed of if they were in the market. Carnations come in more freely now and quality improved considerably, still there are none too many; $1 to $1.50 is paid for them.

Roses are rather plentiful, especially the inferior grades, which are offered at very low figures; most of these come from our neighboring windy city and not more than $2 per 100 is paid for them, while ordinary and first-class stock have not declined in prices; some very fair Beauties are coming in now, they wholesale at $20 and are speedily disposed of at that price. Mignonette of extra size is displayed in the store windows and apparently is gaining in favor, notwithstanding the high price demanded for them.

Al. Salter and Chas. Vick returned from their hunting trip empty handed; the venison dinner which was promised to the Florist Club has not materialized so far. As the party was composed of several heavy weights who could not step on the dry limbs and brush scattered in the woods without making a terrible noise, the deer took warning and kept out of reach, but the club should not be put off in this sober way, when most every member looked ahead for the event with the greatest expectations, anticipating another enjoyable time, such as they had at the famous clambake this fall. K.

Parkersburg, W. Va.

The florists of this city are giving their first chrysanthemum show this week. Dudley & Son have a fine display of palms, ferns and especially fine cut 'mums, roses and carnations. G. Obermeyer is showing some fine specimen plants of 'mums in 8 and 10-inch pots, also a lot of other rare plants, altogether making a fine display. G. A. Hiehle is showing a nice lot of palms, begonias, geraniums, pot and cut 'mums. Weather bad. Full report later. G. OBERMEYER.

Hagerstown, Md.

The Floricultural Society held their second annual chrysanthemum show November 3, 4 and 5. The exhibits greatly exceeded last year and the cut blooms were exceptionally fine. Edwin A. Seidewitz, of Annapolis, Md., was judge.

Everything was done to make the show a financial success; a good orchestra was in attendance, it was open day and night, well advertised, admission low, and with all that it was financially a failure, and will not be held next year. XX



Grape Dust

is used effectually on Carnations, Roses, Violets, Lettuce, etc., as a preventive and check for Blights, Mildews, etc.

IS SOLD by the wholesale Seedmen of America.



HARDY FERNS

WARRANTED FIRST QUALITY.

SPECIAL ATTENTION PAID TO SUPPLYING WHOLESALE DEALERS.

Write for Prices.

—ALSO DEALER IN—

BOUQUET GREEN, SPHAGNUM MOSS, CHRISTMAS TREES,

Etc., Etc., Etc.

L. B. BRAGUE, - Hinsdale, Mass.

☞Oldest, Largest, and Most Reliable Dealer in the United States.

SYRACUSE POTTERY CO.

MANUFACTURERS OF **Flower Pots**

Bulb Pans, Hanging Baskets and Saucers

OUR FLOWER POTS are standard measure and all first-class and we assure you they will give good satisfaction. We call your attention to our new pots, 6, 7, 8 and 9-inch, called the "Poro Pot." They are more Porous than any pots, smoother inside and outside, perfect drainage, and are easily washed and cleaned. Give them a trial and you will not want any other. Remember these Pots are as cheap as any other Pot on the market. Write for price list.

SYRACUSE POTTERY CO. SYRACUSE, N. Y.

DRIVE IN FERNS

WE MUST HAVE ROOM.

2¼-in. pots in 8 varieties, @ $3 50 per 100, $30 per 1000. These are as large as many 3-in. Ferns and good healthy stock. Ferns, 3-in., in 20 varieties, $6 per 100.

COCOS WEDDELIANA.

2½ in. pots, @ $6 per 100, good color, growing plants.

SAMPLES FOR STAMPS.

B. REDFIELD, Glenside, Pa.

BARGAINS IN NURSERY STOCK.

GET OUR PRICES ON

HERBACEOUS PÆONIES, CLEMATIS,
HARDY SHRUBS, FRUIT TREES,
ROSES, SMALL FRUITS

W. & T. Smith Co.

Geneva Nursery. GENEVA, N. Y.

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ONLY $11.00

FOR A DOZEN
FIRST QUALITY

Doves

and 15 Floral Designs

SIMILAR TO THIS

It Will Pay You to Have One

OF THESE ALBUMS

ON YOUR COUNTER

TO SHOW CUSTOMERS.

S. J. RUSSELL,

203 Summit Ave., JERSEY CITY, N. J.

MANN'S

Patent Cable

PLANT TUB

4 SIZES.

The BEST Plant Tub on the market.

SEND FOR PRICES.

MANN BROTHERS,

6 Wabash Ave., CHICAGO, ILL.

FLORISTS FERTILIZER

Made from VIRGIN NIGHT SOIL by steam process—NOT Adulterated. Complete Fertilizer. Soluble, quick in action. Combines all the Elements for Nutrition of Plants. Pleasant to handle.

STANDARD FERTILIZER CO. Inc.
1822 Filbert Street, PHILADELPHIA.

HERR'S PANSIES

ARE THE BEST.

Fine plants, 75c per 100; $5.00 per 1000.

CARNATIONS.

My experiences with the old and the new will be ready Nov. 15, and mailed for the asking.

ALBERT M. HERR, Lancaster, Pa.

PANSIES. 500,000 NOW READY.

THE JENNINGS STRAIN. FIRST-CLASS IN EVERY RESPECT, and the LEADING STRAIN TO DATE.

BUFFALO, N. Y., June 8th, 1897.

MR. E. B. JENNINGS. Dear Sir:—The Pansy Seed supplied by you last August produced the finest lot of flowers I have ever seen. They were uniformly first class. Send me one ounce of your best mixed as soon as ready. Respectfully, WM. SCOTT.

100 by mail 75c; 1000 by express $4; 5000 $18. Seed of the above strains $1 per pkt.; $6 per oz.; $3 per ½ oz.

CARNATIONS—Fine, stocky, field-grown plants, leading sorts, $5.00 per 100.
Cash with order. E. B. JENNINGS,
Lock Box 254. Southport, Conn.
Grower of the finest Pansies.

PANSIES.

Strain up to the finest in color and size. Plants excellent stocky field-grown, 60,000. Any quantity, 40c per 100 by express, 60c by mail. Our own best Seed, 1000 for 20c; 1 oz. $4.50.

GERANIUMS.

40 vars; 50,000 Cuttings, best new bedders. Coleus, Begonias, Petunias, Salvias and Verbenas are specialties.

DANIEL K. HERR, Lancaster, Pa.

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PANSIES.

ROEMER'S SUPERB PRIZE PANSIES.

PLANTS, strong and bushy, 65 cts. per 100, by mail.
By express.....$2.00 per 500.
By express.....$4.00 per 1000
Cash with order.

PETER BROWN, Lancaster, Pa.

Mention American Florist.

Pansies Worth Raising.

GOOD PLANTS, $2.50 per 1000, or $1.50 per 500.
LARGE PLANTS, $4.00 per 1000, or $2.50 per 500.
BLOOMING PLANTS, $1.50 per 100.
SEED, as usual. CASH WITH ORDER.

C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

Mention American Florist.

PANSIES

Strong plants from seed of my own growing, from the best strains to date. $4.00 per 1000; 60 cts. per 100 by mail.

W. J. ENGLE, Box 211, DAYTON, O.

Facts for Flower Buyers.

Mr. J. M. Gasser, the Cleveland florist, has issued a neat 4-page folder with the above title, evidently addressed to his customers and possible customers in his city. We make some extracts below believing they may be suggestive to florists in other cities.

That the American Beauty holds first place as the best all-round rose to-day.

That chrysanthemums this season will be of better quality, more plentiful, of greater variety, and cheaper than ever before.

That the best flowers are the cheapest, as they last longer and give better satisfaction, besides a few choice blossoms "go farther" than a lot of poorer flowers.

That violets will be more sought for this season than ever. The large single or "California Violet" is becoming more popular every year.

That the way to keep flowers fresh the longest is to cut off the ends of stems when receiving them, and place immediately in fresh water in a cool place. Repeat this every morning, removing about one inch of stem each time.

That orchids—especially the cattleya varieties—will be the flower par excellence the coming winter, where daintiness and richness of effect are wanted.

That we have the best flowers that can be produced, but it costs more to grow a "specimen flower" than it does an ordinary blossom.

That we have the good ordinary grade of flowers, suitable for "all sorts and conditions of men."

That we also have a cheaper grade of flowers—sorted out from the above—shorter stems and perhaps not as perfect blossoms, but suitable for many purposes in decorating in various ways, or brightening up the house at a small outlay.

That, when sending a box of flowers to a friend you get more for your money when leaving the selection to the florist than by picking them out yourself.

That the late custom of sending a box of choice flowers immediately to the house of a deceased friend is growing in favor.

That, although the "Dingley Bill" put a heavy duty on "Dutch Bulbs," tulips, hyacinths, etc., they will be seen as plentiful as ever this winter, and the quality will be greatly improved.

That flowers for debutantes and engagement announcements should be of the very best quality and done up with the greatest care and taste.

That by placing your order twenty-four hours in advance, you will generally get better service than by ordering on short notice.

That all flowers arranged with simplicity—using their own foliage when possible—in a graceful and natural way, is considered in better taste than arranged in any so-called form or design.

That flowers for luncheons or dinners should be arranged either below or above the line of vision.

That decorations for buffet tables should be large and rather high.

That large, loose three-quarter bunches of long stemmed flowers are now very swell for weddings.

That a well filled fernery is cheaper in the end, and answers the same purpose as cut flowers for a small table.

That palms and other slow-growing plants should be kept moist and not wet nor dry, and have the leaves and stems sponged off every week with warm water and weak soapsuds.

That most all blooming plants should be thoroughly watered every day, but never left standing in water from day to day.

FLOWER POTS.

We Manufacture all kinds of Flower Pots, etc. Making a Specialty of

Florist Standard Pots

Send for price list and samples (which will be sent free and we know you will give us your order:

J. G. SWAHN'S SONS, P. O. Box 78. Minneapolis, Minn.



GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave.,
CHICAGO, ILL.

FOR SALE.
Standard Flower Pots
right from the manufacturers. Before buying pots write to us for Special Prices and Discounts. Our pots are red in color.
KELLER BROS.
213, 15, 17, 19, 21, 23 Pearl St., NORRISTOWN, PA.
Mention American Florist.

Established 1853

Those RED Pots

WELL BURNT
SOLID POTS
PRICES LOW
WRITE US

"Standard Sizes"
"Bulb Pans and Azalea Pots"

Detroit Flower Pot Mfgy.
DETROIT, MICH.

HENRY BALSLEY, Rep. 490 Howard St.

STANDARD FLOWER POTS.

Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage

A FULL LINE OF BULB PANS.

THE WHILLDIN POTTERY COMPANY, 713 to 719 Wharton Street, Philadelphia, Pa.

BRANCH WAREHOUSES: { Kearney and Westside Aves., Jersey City, N. J. / Jackson Ave. and Pearson St., Long Island City, N. Y.

STANDARD FLOWER POTS.

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.

A. H. HEWS & CO., N. Cambridge, Mass.

Hot-Bed
Sash.

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3	ft. x 6 ft.,	3 rows	10 in.	glass.
3 ft. 3 in. x 6 ft.,	4	"	8 in.	"
4	ft. x 6 ft.,	5	"	8 in.	"

Not glazed, 1¾ in. thick.

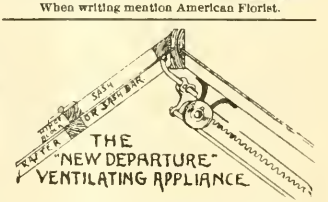
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Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,
Lockland, Ohio.

CYPRESS
IS MUCH MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET IN LENGTH OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL.
Send for our Illustrated Book
"CYPRESS LUMBER AND ITS USES."
Send for our Special Greenhouse Circular.
THE A. T. Stearns Lumber Co.,
Neponset, Boston, Mass.

When writing mention American Florist.



You can not get a **GOOD THING** for nothing. But the price of this apparatus is next to nothing. Send for price and description to

J. D. CARMODY, Evansville, Ind.

Mention American Florist.

SMILAX.

300 SMILAX good strong plants in 3-inch pots, ready to shift, at $3.00 per 100.

WM. LAISLE, Keokuk, Iowa.

All kinds of
GREENHOUSE
PIPE AND FITTINGS
MADE BY
RUNDLE-SPENCE MFG. CO.
Send for circular. MILWAUKEE, WIS.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

FREE BOILER FUEL.

For the purpose of introducing our boilers where they are not known, we will sell at

WHOLESALE

to the person in each town who first orders a boiler for his own use and in addition will

DONATE 25%

on the net price towards paying for the fuel consumed the first winter.....

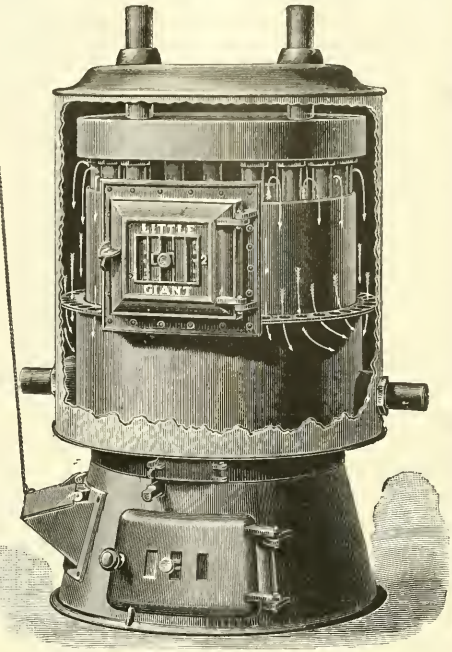
OUR STANDING { BRADSTREET'S, Highest Credit.
DUN'S. - - - " "
JOHN W. EALY CO " "

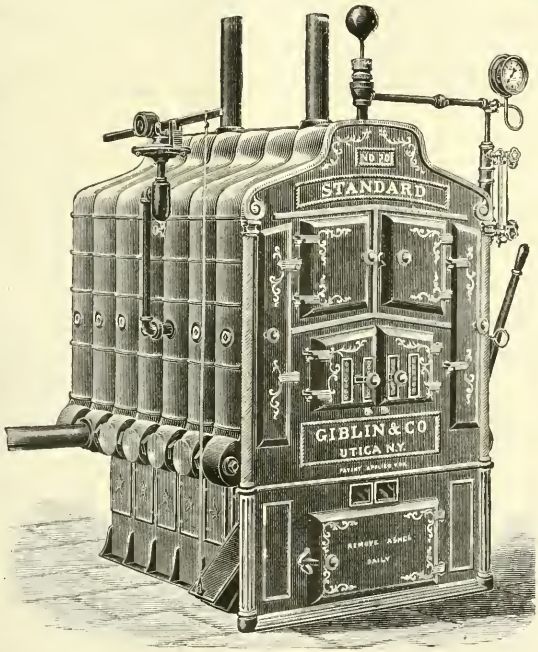
While our boilers have been sold for the past seven years in the whole cold region of the United States, yet there are some places where they are not known and we make this **EXTRAORDINARY** offer to make them known.

This advertisement will appear this time **ONLY**, and any one wanting a boiler may inquire by mail, when full particulars will be given and a chance of a.....

LIFE TIME

offered to obtain a boiler at a nominal cost.....





B. T. GALLOWAY, Chief Clerk of the Dept. of Agriculture, Washington, D. C.

"We have found the Little Giant fully as efficient and economical as any we have ever used."

FRED'K A. TAYLOR, Florist, Canastota, N. Y.

"The Standard Steam Boiler No. 3 is equal to what you claim. * * On Jan 6 it was 32 degrees below zero. * * * It kept me warm and would have done more."

C. R. OWENS, Florist, Whitesboro, N. Y.

"It gives to heat full value for every pound of coal it consumes."

C. A. VAN VALKENBURGH, Florist, Little Falls, N. Y.

"It was a surprise to me to see how quickly the pipes were filled with steam."

J. CULVER VORHEES, Florist, Somerville, N. J.

"Your Little Giant Boiler is the most powerful for the size and price I have seen and I have used several high priced heaters."

CHAS. T. SMITH, Florist, West Nyack, N. Y.

"Your No. 1 Boiler is the best steamer I have ever seen."

C. B. HUMPHREY, Florist, Rome, N. Y.

"It runs with very little attention and is very economical in the use of fuel, and in every respect a first-class boiler."

JOHN MAJOR, Florist, Cokeville, Westmoreland County, Pa.

"I purchased a No 13 Little Giant Hot Water Boiler from you last November and am well pleased with its work. It heated 520 feet of 4-inch pipe, and I had to use care in firing to prevent the water from boiling over in the expansion tank. I intend making it heat another house 80x12 feet that I propose building this coming summer. I have found the boiler all that could be desired."

SALTER BROS., Florists 78 West Main St., Rochester, N. Y.

"The No 3 Standard Hot Water Boiler we had from you last fall has been very satisfactory in every respect: works well, heats well and uses less coal than any boiler we have."

M. S. WORDEN, North Adams, Mass.

"I am very much pleased with my No. 12 Little Giant Hot Water Boiler, and it is a Giant indeed. It heats so much that I am thinking of building on just as much more greenhouse as I now have, and feel quite confident it will take care of it all right. You need not hesitate at any time if any one wants to know about this boiler to have them write me."

E. E. VENEN, Florist, Conneaut, Ohio.

"From what we have seen of the No. 13 Little Giant Hot Water Boiler we do not hesitate to say we believe it good for all you claim for it. We have never had need of a heavy fire, so do not know its power when urged to do its best. We shall be glad to recommend it to any one in want of a first-class heater."

GIBLIN & CO., Utica, N. Y.

Milwaukee.

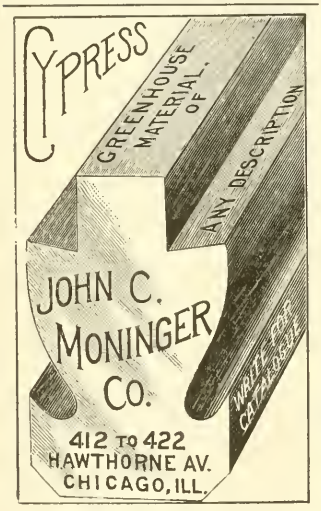
Some growers report entire loss of cyclamen by rust, others throw them out without report and say they don't pay. The beautiful weather this fall has increased the popularity of cosmos and salvia. Good chrysanthemum plants are scarce. Cut blooms are plenty and prices good. Roman hyacinths are in market.

There is an unusual amount of prominent weddings in German circles and "coming out" parties among the Yankees. The decorations of some are of a high order. For presents American Beauties take the lead. There has been very little funeral work of late.

Frank Dilger has been congratulated on the success of his standard 'mums at the show. Mr. Klokner wired an offer to Pitcher & Manda for the entire lot of orchids, which was accepted, they catalogued for $2,000, but came to Milwaukee for $150. Quite a number of florists are preparing to visit Chicago during the 'mum show. Mr. A. Zender, of Chicago, and Mrs. H. F. Coburn, of Whitewater, were recent visitors here.

Good roses are selling to-day for $10 per 1,000, carnations still lower; future orders for next week are quite large and encouraging but this week appears to be an off one.

Wm. Edlefsen and the Whitnall Floral Company both have a special sale of 'mums this week. Prices being obtained are low, but the idea appears to be that a low price is better than no price, and special effort was necessary to work them off promptly. C. B. W.

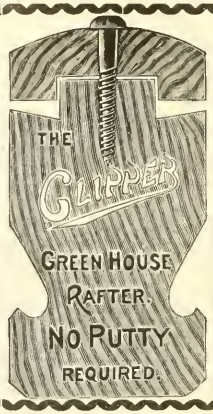




LOUISIANA Cypress Green House Material.

RED CEDAR

Write for Estimates.



Butted Glass.

This is no longer an experiment, it has come to stay. There are various ways of making Butted Roofs, but the best way is with the

Clipper Bar.

With this bar you can make a roof that is absolutely free from drip, and glass cannot be torn out by the wind. Butted glass makes a tight roof, a warm house and saves fuel. It lasts longer, looks better and costs less than the old-fashioned roof. But do not think that this is the only bar we sell, for it is not; we furnish what people want and there is nothing in greenhouse material that you cannot get from us, and all of open-air-dried Cypress clear of bright sap, stained sap, knots and all other defects.

Lockland Lumber Co.

Write for Circulars or Estimates.

Lockland, Ohio.

Mention American Florist.

H. M. HOOKER COMPANY,

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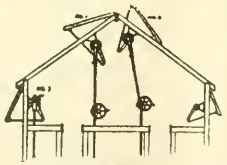
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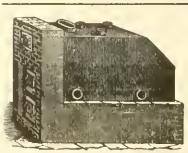
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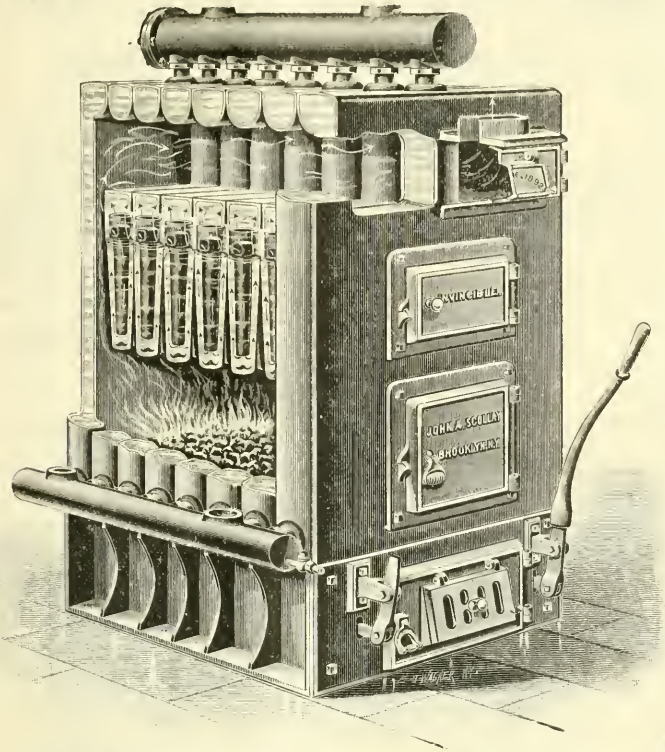
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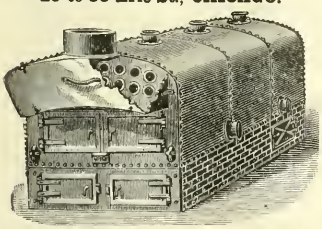
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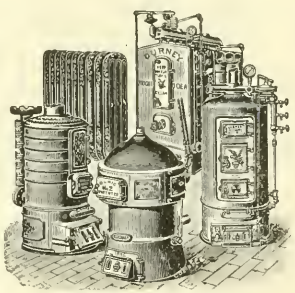
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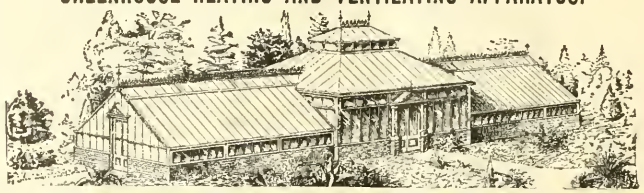
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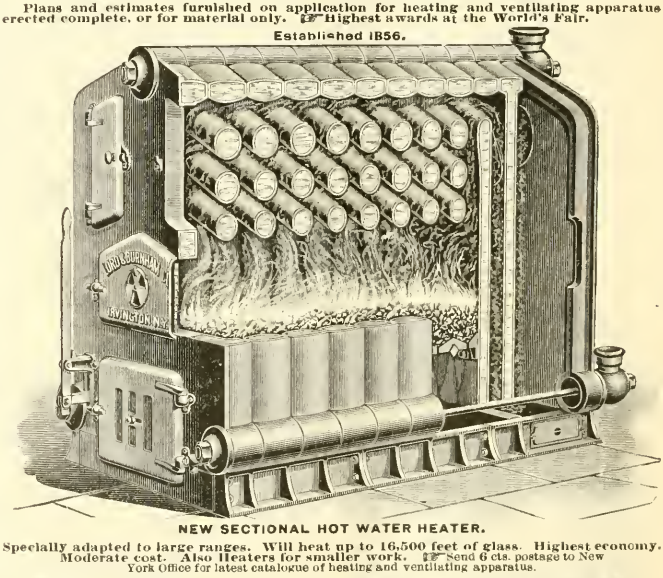
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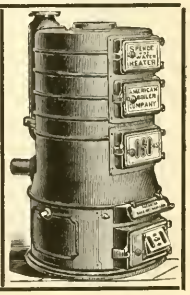
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Vol. XIII. **CHICAGO AND NEW YORK, NOVEMBER 20, 1897.** **No. 494**

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OFFICERS-ELECT (To be installed Jan. 1, 1898)—Wm. F. Gude, Washington, D. C., president; A. Donaghue, Omaha, Neb., vice-president; secretary and treasurer as before.

The fourteenth annual meeting will be held at Omaha, Neb., August, 1898.

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For 1898.

Our friends who are freely renewing their subscriptions now for the new year, often ask for reduced rates for their interested employees in the store or at the potting bench; to stimulate this good educational work the AMERICAN FLORIST will accept such new names with every renewal from an old subscriber at half rates, 50 cents per year.

THE EXHIBITIONS.

Exhibition of the New York Gardeners' Society.

When it was announced a few weeks ago that the New York Gardeners' Society would invade the most exclusive precincts of New York's wealth and fashion and give a flower exhibition in the grand ballroom of the palatial Astoria hotel on Fifth avenue, as soon as it should be completed, the scheme looked like a wild dream or impossible romance, but it is said that "where there's a will there's a way," and to be persuaded that pluck, tact and determination will prevail over vast odds and that with the help of these qualities nothing is impossible, one had only to visit the beautiful place on the forenoon of Friday last.

The thousand electric lights of the richly decorated hall looked down upon an unwonted scene. Great boxes and crates, flower pots and vases were seen everywhere; an army of men in shirt-sleeves tramped over the paper and straw-littered velvet carpet; tall chrysanthemums leaned up familiarly against the crimson draperies, and carved walls made a strange setting for plebeian turnips and potatoes. In one department, however, no incongruity was apparent. In perfect accord with the costly accessories which surrounded them, looking as if they had always been there and had a perfect right to stay there, the great groups of orchids reposed with easy grace. Here and there through the busy scene flitted the "lady patronesses," suggesting and directing, solicitous and worried by the chaos that seemed to prevail; but finally in commendable good season, the last vase was filled, the last exhibit placed, the last crate was carried out, floors swept and rich rugs spread in the marble-floored corridors. The liveried attendants took their posts, the orchestra began to play, and the finest horticultural exhibition that New York has seen since the brave Lenox Lyceum effort, years ago, was open to the public at $2 per ticket.

The exhibition lasted three days and the prices of tickets were placed at $2 for the first day, $1 for the second and 50 cents for the third day; the profits, if any, to be devoted to charitable purposes. Fortunately the Gardeners' Society was under no obligation except to provide and arrange exhibits, all the expenses, including premiums, being assumed by the "lady patronesses," the names of fifty of whom were displayed on the schedule, for, notwithstanding the attractive surroundings, the high character of the exhibition and the much-advertised patronage of the select "400," it is discouraging to report that in attendance the affair was about on a par with similar attempts in this city in the past and it is evident that the key to New York's appreciation and support of flower shows has not yet been discovered.

The main hall was devoted principally to the plant exhibits, contributed from the private greenhouses of wealthy New Yorkers and arranged by the expert gardeners who had grown them. A stately Kentia belmoreana, 25 feet in height, from Richard Brett, gardener to J. B. Colgate, occupied a central position and at intervals throughout the hall were tall, well grown specimen palms, etc., from Mr. Brett and Charles Knight, gardener to E. R. Ladew. Mr. Knight showed a fine specimen of the rare Araucaria Rulei compacta Nepraski. Large groups in the various classes of decorative foliaged plants also came from these exhibitors and from Wm. Duckham, gardener to D. W. James, Charles Webber, gardener to Mrs. J. Hood-Wright, A. L. Marshall, gardener to J. B. Dutcher, J. McKenzie, gardener to Mrs. Charles Pratt, and others. In the chrysanthemum plant classes, the principal exhibitors were Peter Duff, gardener to J. Crosby Brown, Robert Whyte, gardener to Mr. Graeffe, G. B. Winslade, gardener to the Osborne estate, and J. M. Hunter, gardener to H. V. R. Kennedy.

The Whitney cup for best group of decorative plants covering 100 square feet, was won by Chas. Knight with the most artistically arranged group in the hall; second prize going to Richard Brett. Mr. Brett took the Gerry cup for 75 foot group, and second in this class went to Wm. Duckham for a superb collection. Mr. Brett also won the Cottenet cup for six palms, the J. Hood-Wright cup for group of crotons and silver medals for six foliage plants, best specimen palm, best specimen croton, best specimen foliage plant, best six ferns and best specimen fern. Silver medals were awarded to Charles Webber for three crotons, to Wm. Duckham for specimen Dracæna Sanderiana, to Wm. Scott, gardener to Mrs. T. C. Eastman, for three pans of lycopodium and for best six cyclamers; to Wm. Anderson, gardener to Mrs. F. E. Constable for Eucharis amazonica; to J. McKenzie for berried plants, to A. L. Marshall for Rex begonias; to G. B. Winslade for three chrysanthemum plants; for group of pompons and for one specimen each of crimson and yellow; to Peter Duff for specimen pink and for best specimen chrysanthemum plant in the show. Robert Whyte got the J. Pierpont Morgan cup for group of chrysanthemums.

Of chrysanthemum blooms there were some wonderful exhibits by Peter Duff, W. C. Russell and others. G. B. Winslade took the Speyer cup for best collection and S. A. Leuba was second. Peter Duff took the Loomis cup for best six varieties of six blooms each, W. C. Russell second, silver medals being the second prize in each case. Mr. Duff's Viviand-Morel, Mrs. Geo. West, Mutual Friend, Minerva

and Jeannie Falconer were all notable flowers. Silver medals were also won by W. Scott for 36 blooms in 36 varieties and 24 varieties; by Peter Duff for vase of 12 white and vase of 12 pink; by W. C. Russell for 12 yellow and for the 6 largest blooms (Viviand-Morel) and by G. B. Winslade for best crimson; T. Harvey, William Hunter, J. G. McNicoll, Wm. Anderson and Robert Angus received certificates in these classes.

In cut roses, Wm. Turner, Owen J. Owen, A. A. Taaffe and A. J. Wengerter won certificates, and the Aldrich cup for winner of the largest number of certificates went to Mr. Turner. In carnations, certificates went to Wm. Turner, Owen J. Owen A. A. Taaffe and Wm. Cowan, Mr. Turner getting the Trevor cup. J. M. Hunter got the Trevor cup for gardenias and Wm. Duckham the Trevor cup for violets. W. Scott took three silver medals and G. B. Winslade one, for greenhouse grapes.

The orchid displays from H. Clinkaberry, gardener to C. G. Roebling, and A. Herrington, gardener to H. McK. Twombly, were beautiful. Mr. Herrington took the silver medal for a group composed mainly of cattleyas and cypripediums and his big pan of Cattleya labiata with 75 blooms was much admired. Mr. Clinkaberry won the Dodge cup for arrangement of orchids with a most beautiful basket of rare blooms. A pretty cocos graced the center and the square handle, four feet high, was hung with sprays of oncidium, Dendrobium phalænopsis and asparagus. The Irving cup for best collection of orchids also went to Mr. Clinkaberry. This group comprised many gems, such as Cypripedium insigne Sanderiæ, Cypripedium Thayeranum, Cypripedium Henry Graves, Jr., and Ærides Lawrencæ. Adjoining it was a fine group, not for competition, from Lager & Hurrell.

Trade exhibitors were assigned to the foyer. Here were some fine groups of araucarias and pandanuses from John Scott and F. R. Pierson Company, Mr. Scott winning first prize in both classes, and a collection of decorative plants from Siebrecht & Son, not for competition. A. Schultheis took a silver medal for ericas, Hugh Graham, for chrysanthemum Pennsylvania, C. L. Trauth, for group of cyclamens and W. A. Manda for fifty varieties of fancy caladiums. A group of orchids in the form of a graceful mantel decoration by W. A. Manda was much admired for its artistic arrangement.

C. W. Ward made a very large exhibit of carnations. It included many hand-some novelties, such as White Cloud, Bon Ton, Gold Nugget, Maceo, New York, Blush, John Young, C. A. Dana, Flame and Mrs. James Dean, the latter being the prize winner at the Philadelphia exhibition as best American seedling not yet disseminated. A smaller display of carnations was made by C. Besold. The new pink variety Frances Joost in this collection looked very promising. Wm. Rockefeller also showed seedling carnations and Robert MacMillan a vase of fine mignonette.



A CORNER AT THE PHILADELPHIA SHOW.

Springfield, Mass.

The annual exhibition of the Hampden County Horticultural Society took place November 10, 11 and 12. Although not as many exhibitors as in some seasons, the high quality and excellence of all the flowers were noticeable. Seldom as many exhibits have been gathered together where all were as meritorious.

A. N. Pierson, of Cromwell, Conn., had the largest individual exhibit in the hall. His vase of 50 blooms of Mrs. Perrin were extremely perfect and beautiful. Minnie Wanamaker, Maud Dean, Mrs. G. M. Pullman, were also very fine flowers. He had in the class for yellows, an easy victory in a magnificent vase of Major Bonnaffon. He was also first in the class for 12 vases of 12 different colors, besides taking front rank in many other classes.

Among private gardeners, Mr. John Barr, gardener to Mrs. B. P. Cheney, So. Natick, Mass., took most of the first prizes, closely followed by Donald MacGregor, gardener to E. H. R. Lyman, Northampton, Mass. Mr. Barr's Viviand-Morel and Mrs. Jerome Jones were magnificent specimens.

E. H. Howland, of Holyoke, G. H. Sinclair, gardener, made a fine showing of exceedingly well grown flowers. His vase of Niveus was the best white in the exhibition. A new variety was noticed in his collection, a vase of Peter Kay, which promises to be a favorite and is especially good. Another good exhibit was from John Coombs, of Hartford, Conn.

Among chrysanthemum plants, E. H. Howland was the only commercial grower filling several classes. In the center of the hall was a fine cluster of bush specimens from Mrs. Cheney, So. Natick, Mass., and several seedlings from Alex MacLellan, Newport, R. I., were shown. A good yellow (No. 4) and also an old rose and gold (No. S. 3), were awarded diplomas.

The best exhibit of roses ever staged in this city was made this year by A. N. Pierson, of Cromwell, Conn. His Bridesmaids and Brides reminded one of the famous Natick roses. The President Carnot, Kaiserins, Meteors and American Beauties were exceedingly fine flowers. These took first award with E. H. Howland, of Holyoke for a good second. John Coombs, of Hartford, Conn., taking third.

Seldom does one ever see so good pansies as were set up by A. P. Wade and Geo. F. Gurgenback of this city. Pierson took 1st for double blue violets; 2nd for single blue; 1st for lily of the valley, Donald MacGregor being 1st in the single blue violet class.

Not as many carnations were shown this year as last season. For best display A. N. Pierson was awarded 1st; C. W. Ward, Queens, N. Y., 2nd. Several new and very promising varieties were in Mr. Ward's collection, including John Young, Gold Nugget, Dandy and No. 6.

H. Grout of this city took 1st for blooms of any one variety; 1st for 50 blooms and a special 1st all with Conch shell. This is a wonderfully pleasing color of soft rose, better color than Daybreak and several shades lighter than Scott with perfect calyx, full flower, good stiff stem and extremely fragrant. This variety was also awarded the silver cup offered by the Cottage Gardens, Queens, N. Y., for best seedling.

Andrew Griffin, gardener to J. J. Van Alen, of Newport, R. I., made an exhibition of Begonia semperflorens hybrids. Pompon and anemone flowered chrysanthemums were shown by E. H. Howland. Two large tables of chrysanthemums, roses, carnations, violets, adiantums, etc., were shown by E. D. Shaw, of Holyoke, not for competition.

The Inter-state contest was not as largely represented as last year's though all were excellent flowers. The Connecticut prize went to A. N. Pierson, Cromwell; Massachusetts prize to John Barr, gardener, So. Natick; Michigan prize to Nathan Smith & Son, Adrian; Rhode Island prize to Robert Laurie of Newport. The capital went to Mr. Barr, state of Massachusetts.

Rainy weather interfered somewhat with the attendance which without doubt will leave the society in debt. The arrangement of hall was about the same as for the last few years and was in the competent hands of manager and secretary W. F. Gale. B. M.



PART OF THE MAIN HALL AT THE PHILADELPHIA SHOW.

St. Louis.

The seventh annual chrysanthemum exhibition closed Saturday night. The display was larger and better than that of former years, and was well patronized by the public, yet the committee was not well pleased with the attendance. We did not make any money but we hope that when the committee meets it will not show a loss. The cause of the loss (if there is any) will be on account of the change of location.

The special prizes amounted to over $800 and the Shaw prizes to $500, the club offering all second and third prizes, except in the Shaw prizes. The first day's premiums were distributed as follows:

CHRYSANTHEMUM PLANTS.

Best pink, white and yellow, Wm. Schray 1st, Michel Plant and bulb Co. 2nd. Best 3 plants, pink, white and yellow, C. Young & Sons 1st, Andrew Meyer 2nd. Best 3 plants, pink, white and yellow, Andrew Meyer 1st, C. Young & Sons 2nd. Best 3 plants any color, C. Young & Sons 1st, Andrew Meyer 2nd. Best single specimen plant white, Frank Fillmore 1st, C. C. Sanders 2nd. Best single specimen plant yellow, Andrew Meyer 1st, F. Fillmore 2nd. Best specimen plant, pink, A. Meyer 1st, Carl Beyer 2nd. Best specimen plant any color, C. Young & Sons 1st, A. Meyer 2nd, F. Fillmore 3rd. Best 3 plants white, pink and red, Wm. Schray 1st, A. Meyer 2nd. Best 3 plants white, pink and yellow, C. Young & Sons 1st, Wm. Schray 2nd.

Best 3 plants, white, pink and yellow, A. Meyer 1st, Wm. Schray 2nd. Best 3 plants, white, pink and yellow, C. Young & Sons 1st, Wm. Schray 2nd. Best 3 plants, white, pink and brown, A. Meyer 1st, C. Young & Sons 2nd. Best 3 plants white, pink and yellow, A. Meyer 1st, Wm. Schray 2nd. Best 3 plants, white, A. Meyer 1st, F. Fillmore 2nd. Best 3 plants in 3 colors, A. Meyer 1st, Wm. Schray 2nd. Best 3 plants in 3 colors, Wm. Schray 1st, A. Meyer 2nd. Best 6 specimen plants, 2 pink, 2 white and 2 yellow, A. Meyer 1st, F. Fillmore 2nd. Best single specimen plant, yellow, C. Young & Sons 1st, A. Meyer 2nd. Best single specimen plant, white, C. Young & Sons 1st, Wm. Schray 2nd. Best specimen plant, pink, C. Young & Sons 1st, F. Fillmore 2nd. Best 2 plants any color, Wm. Schray 1st, A. Meyer 2nd. Best single plant, white, C. Young & Sons 1st, Wm. Schray 2nd. Best single plant, yellow, Wm. Schray 1st, A. Meyer 2nd. Best 3 plants pink, white and yellow, Wm. Schray 1st, A. Meyer 2nd.

STANDARDS.

Best specimen plant, white, A. Meyer 1st, Wm. Schray 2nd, C. Young & Sons 3rd. Best specimen plant, yellow, Wm. Schray 1st, F. Fillmore 2nd, A. Meyer 3rd. Best specimen plant, pink, Wm. Schray 1st, A. Meyer 2nd, F. Fillmore 3rd. Best specimen plant any color, A. Meyer 1st, Wm. Schray 2nd, F. Fillmore 3rd. Best specimen plant, white, Wm. Schray 1st, A. Meyer 2nd. Best 3 single specimen plants, Wm. Schray 1st, A. Meyer 2nd.

SINGLE STEM AND FLOWER.

Best 40 plants, one or more varieties, Wm. Schray 1st, C. Young & Sons 2nd, A. Meyer 3rd. Best 25 plants, white, one variety, C. Young & Sons 1st, A. Meyer 2nd, Wm. Schray 3rd. Best 25 plants, pink, one variety, E. G. Hill & Co. 1st, A. Meyer 2nd. Best 25 plants, yellow, one variety, A. Meyer 1st, E. G. Hill & Co 2nd, F. Fillmore 3rd. Best 8 white, 8 yellow and 8 pink, E. G. Hill & Co. 1st, C. Young & Sons 2nd.

CARNATION PLANTS.

Best 20 plants in bloom, Wm. Schray 1st, F. Fillmore 2rd, C. C. Sanders 3rd. Best 5 plants in 5 varieties, John Steidle 1st.

GROUP CHRYSANTHEMUMS.

Best arranged group of chrysanthemum plants, to cover not less than 100 square feet. There were five sections, and in the first section there were two entries, C. Beyer 1st, C. C. Sanders 2nd. Section 2. E. Schray 1st. Section 3. A. Meyer 1st. Section 4. Chas. Beyer 1st. Section 5. C. Young & Sons 1st.

SHAW PREMIUMS.—PLANTS.

For a plant of decided merit for cultivation, not previously an article of North American commerce and introduced to such commerce by the exhibitor during the year in which said award was made, Gold medal; value, $25. Luther Armstrong won this medal with his ever-blooming tuberoses. For the largest and best collection of named palms, not less than 12 kinds, Wm. Schray 1st, C. Beyer 2nd, Michel Plant and Bulb Co. 3rd. For the best 25 named begonias, not more than 2 of any one variety, Michel Plant and Bulb Co. 1st, Wm. Schray 2nd, C. Young & Sons 3rd. For the largest and best collection of named ferns, not less than 12 kinds, Michel Plant and Bulb Co. 1st, Wm. Schray 2nd, Jordan Floral Co. 3rd. For the largest and best collection of named foliage plants, other that the preceding, with variegated leaves, not less than 12 kinds, C. Beyer 1st, Michel Plant and Bulb Co. 2nd, Wm. Schray 3rd. Best collection of 25 blooming plants for house decoration, exclusive of chrysanthemums, not more than 3 varieties of any species, C. Young & Sons 1st, Wm. Schray 2nd, C. C. Sanders 3rd. For best 12 varieties of named geraniums in bloom, grown in not over 6 inch pots, F. Fillmore 1st, Michel Plant and Bulb Co. 2nd, A. Meyer 3rd. For best 6 named dracænas, C. Beyer 1st, Wm. Schray 2nd, C. Young & Sons 3rd. For best 12 named flowering begonias in bloom, not more than 2 of any one variety, Wm. Schray 1st, Michel Plant and Bulb Co. 2nd, A. Meyer 3rd. For best 6 named orchids in bloom, in 6 varieties, Wm. Schray 1st, C. Young & Sons 2nd. For best 6 named bouvardia in bloom, not more than 2 of any one variety, Wm. Schray 1st, F. Fillmore 2nd, C. Young & Sons 3rd. For best 6 named cyclamen in bloom, C. C. Sanders 1st, C. Young & Sons 2nd, Wm. Schray 3rd.

For best specimen of Areca lutescens, C. C. Sanders 1st, Jordan Floral Co. 2nd. For the best specimen of Howea Belmoreana, C. Beyer 1st, Jordan Floral Co. 2nd. For the best specimen of Howea Forsteriana, C. Beyer 1st, Wm. Schray 2nd, For the best specimen of Livistona Chinensis, C. C. Sanders 1st, Wm. Schray 2nd. For the best specimen of Pandanus utilis, C. Beyer 1st, C. C. Sanders 2nd. For the best specimen decorative plant, other than the above, Wm. Schray 1st, C. Beyer 2nd. For the largest and best collection of chrysanthemums perfectly hardy in the latitude of St. Louis, C. Young & Sons 1st, C. C. Sanders 2nd, Wm. Schray 3rd. For the largest and best named collection of chrysanthemums, hardy with slight protection in the latitude of St. Louis, C. C. Sanders 1st, C. Young & Sons 2nd, Wm. Schray 3rd. For the best 6 species of evergreen shrubs, for lawns, hardy in the latitude of St. Louis, C. Young & Sons 1st, C. C. Sanders 2nd, Wm. Schray 3rd.

CHRYSANTHEMUM CUT BLOOMS.

Bes 48 flowers, 8 sorts, 6 of a kind, Nathan Smith & Son 1st, C. Young & Sons 2nd, E. G. Hill & Co. 3rd. Best 24 white, in 3 sorts, 8 of each, Nathan Smith & Son 1st. C. Young & Son 2nd, W. J. & M. S. Vesey 3rd. Best 24 yellow, 3 sorts, 8 of each, E. G. Hill & Co. 1st, Nathan Smith & Son 2nd, Michel Plant and Bulb Co. 3rd. Best 24 pink, 3 sorts, 8 of each, E. G. Hill & Co. 1st, Nathan Smith & Son 2nd. C. Young & Son 3rd. Best 12 blooms Ivory, Michel Plant and Bulb Co. 1st, C. Young & Sons 2nd, Wm. Schray 3rd. Best 12 blooms of Niveus, H. Weber & Sons, Oakland, Md. 1st. Best 12 blooms Golden Wedding, H. Weber & Sons 1st, Michel Plant and Bulb Co. 2nd. Best 12 blooms, any yellow not mentioned, E. G. Hill & Co. 1st, N. Smith & Son 2nd, C. C. Sanders 3rd. Best 12 blooms yellow, E. G. Hill & Co. 1st, N. Smith & Son 2nd, C. Young & Sons 3rd. Best 12 blooms yellow, C. Young & Sons 1st, E. G. Hill & Co. 2nd. W. J. & M. S. Vesey 3rd. Best 12 blooms yellow, Michel Plant and Bulb Co. 1st, C. Young & Sons 2nd, E. G. Hill & Co. 3rd, Best 12 blooms white, C. Young & Sons 1st, W. J. & M. S. Vesey 2nd, Nathan Smith & Son 3rd. Best 12 blooms pink, E. G. Hill & Co. 1st, Nathan Smith & Son 2nd, Wm. Schray 3rd.

Best vase of cut chrysanthemums any color, Nathan Smith & Son 1st, E. G. Hill & Co. 2nd. Best vase of 24 flowers, assorted colors, C. Young & Sons 1st, E. G. Hill & Co. 2nd. Best vase of cut chrysanthemums, assorted colors, Wm. Schray 1st, Nathan Smith & Son 2nd. Best vase of 24 blooms, assorted colors, C. Young & Sons 1st, Wm. Trillow 2nd. Best vase of 50 chrysanthemum blooms, quality and arrangement to be equally

considered, Wm. Schray 1st, W. J. & M. S. Vesey, 2nd. Best vase of 24 blooms, assorted colors, Wm. Schray 1st, W. J. & M. S. Vesey 2nd.

CUT ROSES.

Best 20 Souvenir de Wootton, R. F. Tesson 1st E. W. Guy 2nd. Best 20 blooms Bridesmaid, Hunt estate, Terre Haute, Ind. 1st, W. J. & M. S. Vesey, Fort Wayne, Ind. 2nd, Wm. Trillow, Belleville, Ill., 3rd. Best 20 Perle des Jardins, J. F. Ammann, Edwardsville, Ill. 1st, W. J. & M. S. Vesey 2nd, Hunt estate 3rd. Best 8 American Beauty, South Park Floral Co., New Castle, Ind. 1st, C. Young & Sons 2nd, R. F. Tesson 3rd. Best 20 Brides, W. J. & M. S. Vesey 1st, F. J. Fillmore 2nd, E. W. Guy 3rd. Best 25 Pres. Carnots, W. W. Coles, Kokomo, Ind. 1st. Best 20 Meteors, Hunt estate 1st, C. Young & Sons 2nd, W. W. Coles 3rd. Best 20 Kaiserins, W. W. Coles 1st, W. J. & M. S. Vesey 2nd, R. F. Tesson 3rd. Best 20 La France, C. Young & Sons 1st. Best 20 Caroline Testouts, C. Young & Sons 1st, Best 20 cut blooms, one variety not mentioned, C. Young & Sons 1st, R. F. Tesson 2nd.

Best 5 varieties, 10 of a kind, American Belle and American Beauty excepted, South Park Floral Co. 1st, R. F. Tesson 2nd. Best 6 American Beauty roses, W. W. Coles 1st, C. Young 2nd, South Park Floral Co. 2nd. Best 20 blooms, Wootton, R. F. Tesson 1st. Best 25 blooms Kaiserin, not less than 24-inch stems, W. W. Coles 1st, R. F. Tesson 2nd. Best vase of 18 American Beauties, R. F. Tesson 1st, C. Young & Sons 2nd. Best 20 Meteors, C. Young & Sons 1st. Best 25 American Beauties, no more and no less, C. Young & Sons 1st, South Park Floral Co. 2nd. Best vase of Kaiserin, not less than 30 flowers, H. Weber & Sons 1st, South Park Floral Co. 2nd. Best 25 blooms of La France, C. Young & Sons 1st.

CUT CARNATIONS

Best vase of white carnations excluding McGowan and Alaska, Frank Fillmore 1st. Best vase, pink, excluding Wm. Scott and Daybreak, South Park Floral Co. 1st, H. F. Aue 2nd, W. Trillow 3rd. Best vase red excluding Jubilee, H. Weber & Son 1st, W. J. & M. S. Vesey 2nd. Best vase variegated, 50 flowers, one or more kinds, South Park Floral Co. 1st, H. F. Aue 2nd, H. Weber & Sons 3rd. Best vase of 40 Wm. Scott, W. J. & M. S. Vesey, 1st, H. F. Aue 2nd, J. Steidle 3rd. Best vase of 40 Lizzie McGowan, South Park Floral Co. 1st, J. F. Ammann 2nd, H. Weber & Son 3rd. Best vase of 50 Daybreak, South Park Floral Co. 1st, W. J. & M. S. Vesey 2nd, Wm. Trillow 3rd. Best vase of 40 Alaska, South Park Floral Co. 1st, Wm. Trillow 2nd, John Steidle 3rd. Best vase of 40 Jubilee, South Park Floral Co. 1st, H. F. Aue 2nd. Best vase 50 Albertini, South Park Floral Co. 1st. Best vase 50 Uncle John, Wm. Trillow 1st. Best vase of variegated varieties, H. Weber & Sons 1st. Best vase of 100 white carnations, H. Weber & Sons 1st, a silver cup, value $20. This cup was won by a vase of the finest carnations seem in this city for a long time, Flora Hill being the variety. Best vase 50 assorted carnations H. Weber & Sons 1st.

MISCELLANEOUS.

Best 100 double violets competition open to all, R. Tesson 1st, Wm. Lingenbrink 2nd, C. Young & Son 3rd. Best box of cut flowers, R. F. Tesson 1st, C. Young & Sons, 2nd. Best specimen of Pandanus Veitchii, C. Beyer 1st, Wm. Schray 2nd. F. Fillmore 3rd. Best 12 blooms of mignonette, A. Meyer 1st, C. Young 2nd, Walther & Mauer 3rd. Best 200 single violets, South Park Floral Co. 1st, R. F. Tesson 2nd, F. J. Fillmore 3rd. Best specimen palm Carl Beyer 1st.

SHAW PREMIUMS.—CUT BLOOMS.

Best 12 blooms of Viviand-Morel, West End Floral Park, Belleville, Ill., 1st, C. Young & Sons 2nd, Michell Plant and Bulb Co. 3rd. Best 12 blooms of any other pink variety; there were six entries. C. Young & Sons won first with a fine vase of Mrs. Perrin, E. G. Hill & Co. 2nd, with Autumn Glory and W. Trillow 3rd, with a vase of Mrs. Perrin, W. A. Chalfant, Springfield, Mo., showed Chebeaque, Michel Plant and Bulb Co.



WOLTEMATE'S TABLE EDGED WITH ASPARAGUS SPRENGERII, AT THE PHILADELPHIA SHOW.

Portia and E. W. Guy, Belleville, Ill., Mrs. Perrin. Best 12 blooms of the Queen, Nathan Smith & Son 1st, West End Floral Park 2nd, C. Young & Sons 3rd. Best vase 12 blooms of H. L. Sunderbruch, Wm. Schray 1st, W. J. & M. S. Vesey 2nd, C. C. Sanders 3rd. For best 12 blooms any other white variety. There were eight entries for this section. Nathan Smith & Son, of Adrian, Mich., won first with a fine vase of Mrs. Jerome Jones, West End Floral Park, 2nd with Florence Pullman and W. J. & M. S. Vesey, 3rd with Minnie Wanamaker. W. A. Chalfant showed Mrs. C. Molin; Michel Plant and Bulb Co. F. Pullman; E. Schray, Lenawee; C. Young & Sons, Minnie Wanamaker and E. G. Hill & Co., Mrs. Jerome Jones.

For best 12 blooms any variety introduced in 1895, 1896, 1897, there were eight entries; the winners being C. Young & Sons 1st, with Modesto; Nathan Smith & Son 2nd, with Western King and Michel Plant and Bulb Co. 3rd, with H. W. Rieman; The West End Floral Park showed W. S. Dinsmore; E. G. Hill & Co. Le Colosse Grenoble; W. E. Guy, Modesto; W. A. Chalfant, Mrs. Harry Toler and W. J. & M. S. Vesey, Lenawee. Best 12 blooms of Major Bonaffon, E. G. Hill & Co. 1st; W. A. Chalfant 2nd; Michel Plant and Bulb Co. 3rd.

The following florists were given certificates of merit: Richard Witterstaetter, Sedamsville, Ohio, for a new white carnation, Evelina; Hugh Graham, of Philadelphia, for his new chrysanthemum, Pennsylvania; H. Weber & Sons, Oakland, Md, for their new rose, Mrs. Robert Garrett; Stollery Bros., Argyle Park, Chicago, new pink carnation, Argyle.

Visitors at the show were A. Dimmock, St. Albans, England; H. Weber, Oakland, Md.; Geo. A. Kuhl, Pekin, Ills.; W. J. & M. S. Vesey, Fort Wayne, Ind.; Mr. Hunt, Terre Haute, Ind.; W. W. Coles, Kokomo, Ind.; Mr. Heller, of South Park Floral Co., New Castle, Ind.; Mr. Tower, of E. G. Hill & Co., Richmond, Ind., Mr. Reising, with Nathan Smith & Son, Adrian, Mich.; T. W. Guy, Kimswick, Mo.; J. F. Ammann, Edwardsville, Ills.; W. A. Chalfant, Springfield, Mo.; Mr. Emmons and Adolf Fehr, Belleville, Ills. J. J. B.

New Bedford, Mass.

The tenth annual chrysanthemum show was held at Adelphi Rink, November 4, 5, and 6. We were fortunate in choosing the latter part of the week, as the first was exceedingly stormy, like the whole week of last year. As an experiment we made it a general flower show, including chrysanthemums both plants and cut flowers, roses, carnations, decorative plants and design work; also a class of miscellaneous plants grown by amateurs, prizes in this line being liberally donated by various merchants, which brought out some fine specimens of home grown plants. It was more successful financially than for several years and the exhibition the finest ever shown here. A. H. Fewkes of Boston acted as judge.

First of interest were the six plants which won the silver cup, presented to the club by Fred. Grinnell, Esq., which now becomes the property of James Garthley, gardener to H. H. Rogers, he having won it two years in succession. The six plants were as follows: Mrs. Bullock, Mutual Friend, Iora, Mrs. Henszey, Major Bonnaffon and the old favorite W. H. Lincoln, which, by-the-way, was the best plant in the hall. Mr. Garthley also exhibited twelve bush plants, fine specimens, taking first prize. These were: J. Kupfer, Mrs. Henszey, Queen, L. D. Black, Ada Spaulding, Minerva, Mrs. Kimball, Silver Cloud, 2 John Shrimptons, and 2 W. H. Lincolns.

William Keith, gardener to T. M. Stetson, took first prize for group of chrysanthemum and foliage plants, artistically arranged, covering sixty square feet. Group of forty square feet, same arrangement was won by James Garthley. For three specimen plants Wm. Keith was first with following varieties—Minerva, Puritan and A. H. Fewkes. For one specimen, James Garthley took first with a mammoth plant of Mrs. Kimball against Major Bonnaffon entered by Wm. Keith, who took second. One Chinese, James Garthley first with L. D. Black; Wm. Keith second with Major Bonnaffon. Chas. N. Riley, gardener to E. D. Mandell, took first for standard, a fine specimen of Mrs. Perrin; Wm. Keith second, H. L. Sunderbruch. Peter Keith, gardener to Miss Delano, exhibited fine group of orchids and ferns.

Other awards were as follows: Twelve plants, single flowers 1st, James Garthley; 2nd, William Keith. In cut flowers, twenty-four distinct varieties, 1st, James Garthley; 2nd, Wm. Keith. Twelve distinct Japanese, 1st, James Garthley; 2nd, Alex MacLelland, Newport. Six distinct Japanese, 1st. Alex MacLellan; 2nd James Garthley. Six distinct Chinese, 1st, J. Eaton, Jr. Ten flowers, long stems, white, 1st, Wm. Keith; 2nd, B. J. Connelly, Taunton. Ten flowers, long stems, bronze, 1st, Wm. Keith. Ten flowers, long stems, yellow, 1st, J. Garthley; 2nd, W. Keith. Ten flowers, long stems, red, 2nd, C. N. Riley.

The commercial florists showed renewed interest, five having booths for sale of plants and cut flowers. Following took prizes in florists' classes: C. H. Waite, R. H. Woodhouse, A. B. Hathaway, S. S. Peckham, Jas. A. Russell. Jahn Brothers displayed an attractive booth, but did not enter the competition.

There were several good exhibits among the amateur class. J. W. Frasier



VIEW ACROSS THE MAIN STAIRWAY AT THE PHILADELPHIA SHOW.

took first for seedling from Wabau, fine flower closely resembling Sunstone. He has several other seedlings of promise. Alex MacLellan also showed seedlings, one taking second; also fine seedling canna. Finest of all cut flowers was a vase of Minerva, mammoth blooms, exhibited by James Garthley, closely followed by Wm. Keith's Mrs. H. Robinson.

Others worthy of note were Maud Dean, Mayflower, Lenawee, Le Colosse Grenoble, C. B. Whitnall, Zulinda, Mrs. Egan, Mrs. Peabody, Gold Standard, Mrs. A. J. Drexel and Gladys Vanderbilt. Sunderbruch proved a failure for exhibition, not lasting until the close of the three days. Thus ended our tenth annual; may the eleventh be even a greater success.

WHALING CITY.

Syracuse, N. Y.

The chrysanthemum show of the Central New York Horticultural Society opened under most unfavorable weather, rain, sleet and cold winds keeping away many visitors, and in some cases exhibits were injured with the drenching showers that came up so suddenly. The schedule called for judging to commence by 2 p. m., but it was after 5 p. m. before Grove P. Rawson could commence his work. The quality of the exhibits was below that of last year, especially in specimen plants, While the size of the flowers was very passable they lacked in foliage and shape. The only marked improvement was in single stem plants, which were much dwarfer and finer flowered than heretofore. The display of cut flowers was not so great, but among them were some very meritorious blooms.

P. R. Quinlan & Co. made a very nice exhibit in the centre of the hall, not for competition, composed of tropical plants interspersed with large vases of chrysanthemums and roses, Major Bonnaffon, Mrs. Jerome Jones, and Helen Bloodgood standing out brilliantly, being exceedingly well done. A vase of Carnot rose in this group was also greatly admired.

A very attractive exhibit was made by Grove P. Rawson, Elmira, N. Y., of a reproduction in nature of a picture of a pitcher of yellow chrysanthemums, frame size 7x5 feet. This was a piece of work in which rare taste was displayed. The frame was composed of ivy leaves, the inner flat and the corners being of the same bronzed, the pitcher proper of solid yellow chrysanthemums on a background of green carpet moss, the blooms in the pitcher being relieved with red berried native prunus and asparagus.

The display of native ferns made by M. H. Oschner, of Eastwood, was most interesting and instructive. It comprised 19 varieties, such rare kinds as Pelaca purpurea, Asplenium platyneuron, and Botrychium termatum being well represented.

The awards in the florists' class for 12 plants, chrysanthemums, 12 varieties. John Brouder was first with a grand dozen, Pink Ivory, Golden Wedding, and Georgiana Pitcher being nicely grown, W. Meneilly second. For 6 plants yellow, W. Meneilly first. For 6 plants while, J. Bronner first, Ivory again coming to the front. Display of foliage plants, L. E. Marquisee first.

In the gardeners' class, 12 plants, 12 varieties, D. Campbell first, W. Parsons second, Geo. Ham third. Six plants, 6 varieties, Geo. Ham first, 6 plants white D. Campbell first with a six that would be hard to beat, Geo. Ham second. Six plants yellow, D. Campbell first, Geo. Ham second, W. Parsons third. Twelve single stem plants W. Parsons first, (these were very dwarf and carried immense flowers) D. Campbell second, G. Ham third. Display of foliage plants D. Campbell first. Display of cut blooms C. Barson first. For the best single specimen plant on exibition, Geo. Ham easily carried off the prize with a magnificent Lincoln seven feet in diameter.

In the amateurs' class for 8 plants, 8 varieties, C. A. Phillips was first with a grand lot, Stephen Morey being a close second, T. Hobson third. Six plants, 6 varieties, C. A. Phillips was again first. Most notable amongst this six was a half standard of A. H. Fewkes. For 2 specimens, S. Morey first, C. A. Phillips second, T. Hobson third. Best display of cut blooms, Stephen Morey first. Twelve blooms, 12 varieties, C. A. Phillips first, S. Morey second.

In class open to all for best display of chrysanthemum plants John Bronner first, D. Campbell second. For 6 vases cut blooms, 6 varieties, 12 blooms of each, 1 vase yellow, 12 blooms, 1 vase pink, 12 blooms, and 1 vase white 12 blooms, there was no competition against L. E. Marquisee who carried off first honors with very beautifully finished blooms of Peter Kay, Philadelphia, Mutual Friend, Gladys Vanderbilt, Sunclad, Maud Dean and Mayflower. For 24 blooms, 24 varieties, Nathan Smith & Son of Adrian, Mich., were first with magnificent blooms of Minnie Wanamaker, Mayflower, Philadelphia, Western King, E. Dailledouze, Mrs. Geo. A. Magee, Viviand-Morel, Mrs. Jerome Jones, Mrs. W. C. Egan, Reine D' Angleterre, Silver Cloud, Marguerite Jefords, Col. W. B. Smith, Melinda, Mrs. J. J. Glessner, Sunstone, G. W. Childs, Golden Gate, Lady Playfair, Iora, The Queen, Mme. Phillippe Rivoire, and Admiral Avellan, L. E. Marquisee was second, C. A. Phillips third.

For 24 single stem and bloom, pots not to exceed 6 inches, 24 varieties, C. A. Phillips was the only exhibitor showing a

collection which in the opinion of the judge would be hard to beat in any of the large cities, the plants being very dwarf and carrying enormous flowers. The varieties were Golden Wedding, Niveus, Georgiana Pitcher, Peter Kay, Major Bonnaffon, Lincoln, Mayflower, Philadelphia, Maud Dean, E. O. Farrell, Viviaud-Morel, John Shrimpton, Mrs. Geo. Magee, Pitcher & Manda, Mrs. Geo. West, Jayne, A. H. Fewkes, White Boehmer, Helen Wright, The King, Minnie Wanamaker, Eda Prass, Mrs. Jerome Jones and Heron's Plume.

For the largest bloom on exhibition darker than Daybreak in color and is certainly a fine variety.

The Stearns Yellow Fellow Wheel, for a new and distinctive yellow chrysanthemum, to be named the Yellow Fellow, went to Grove P. Rawson. His variety, which is a nice yellow something after the style of Golden Wedding, was decided upon by the company's representative. F. C. Howlett's prize for best individual design of landscape gardening, space to occupy 3x5 feet, was won by Bannister Bros. The silver cup offered by Mrs. H. S. White for the best 6 plants of Adelaide White went to Walter Meneilly. Four



JOHN WESTCOTT'S FIRST PRIZE GROUP OF PLANTS AT THE PHILADELPHIA SHOW.

Mr. Phillips carried off the honor with a grand bloom of Peter Kay (grown in a 6-inch pot). For best collection and display of plants grown in 6-inch pots, for market purposes, L. E. Marquisee took first with a very neat lot being especially well grown. The varieties consisted chiefly of H. L. Sunderbruch, White and Pink Ivory, L. Canning, Gladys Vanderbilt and Mutual Friend. C. A. Phillips was second with a very creditable display. For table design, L. E. Marquisee was first with a centrepiece of Pink Ivory, very nicely arranged with favors of the same flowers; Charles Barson second, Lydia A. Barson, third.

The classes for cut roses were better filled than usual. For best collection and display Peter Crowe, of Utica, was first, staging some fine flowers of Bridesmaid, Bride, Beauty and Perle carried on long stems and heavy foliage. L. E. Marquisee won second prize. For 3 vases, 3 varieties, L. E. Marquisee first with Beauty, Bridesmaid and Bride, Peter Crowe being a close second. Mr. Crowe also had on exhibition a vase of the new red rose Christine de Noue which he thinks will soon become a popular favorite both from a connoisseur's and commercial standpoint.

Carnations made a fine display and were of excellent quality. For best collection and display L. E. Marquisee was first, Henry Burt taking second. Fifty cut blooms in one vase, any variety, L. E. Marquisee first, H. Burt second; 6 blooms, one variety, L. E. Marquisee first, with his new pink seedling Columbia, H. Burt showing some fine Flora Hill against it. This seedling is a little

certificates of merit were awarded to Messrs. E. G. Hill & Co., of Richmond, Ind., for seedling chrysanthemums Nos. 1003, 1000, B. H. and Autumn Glory. The latter is a very fine pink and large striking flower. Stollery Bros., of Chicago, for new carnation Argyle, certificate of merit. Frank Baker, of Utica, certificate of merit for carnations Red Jacket and Oneida. L. E. Marquisee, Syracuse, special mention for new yellow chrysanthemum, and highly commended for two seedling carnations Columbia and Ideal. Nathan Smith & Son, Adrian, Mich., certificate of merit for a new yellow chrysanthemum. The four blooms that represented this variety won the admiration of everyone and were the center of attraction during the entire show.

Financially the show was a failure. The expenses were $625 and the receipts $450. The number of adult tickets sold was 1650, number of children's tickets 97, while there were 755 complimentaries given out.

Visitors: Messrs. Crowe, Matthews, Seitzer and Baker, of Utica; Mr. Bechstedt, of Oswego, N. Y., and Mr. Paterick, of Auburn, N. Y.

I forgot to mention a bloom that Mr. Rawson showed of Wm. H. Chadwick. Unquestionably it possesses all the qualities of a first-class variety, color somewhat after the Carnot rose. ALPHA.

Toronto.

As predicted, the eighth annual chrysanthemum show held by the Gardeners' and Florists' Association was in point of quality of exhibits by far the best show that has been held here yet. The time was just right to catch the best blooms of the best sorts in the best condition. Only the roses would have been a little better perhaps with two weeks more in which to get substance and body. As it was they were very good, but not so superbly grand as they have been seen here.

The carnations were simply magnificent, exceeding both in quality and size those of other years. The carnation table was a center of attraction for the "boys" during the whole show, and the good condition in which they kept from Wednesday to the Monday following was another surprise, which, however, may be accounted for to a large extent by the fact that the incandescent light is now used where gas was in former years. Most of the flowers were as good when being taken away as when brought in. Great credit is due to Mr. Valr, the superintendent. The hall was never at any time too hot; the floor was well sprinkled every night and everything was kept in good order, clean and well swept; plants were watered and vases filled every day.

If someone does not come to the rescue the specimen chrysanthemum plants will soon be as scarce as the dodo; they grow less and less in quantity every year, Mr. R. Gore, gardener to Sir Casimir Gzowski, being almost the only exhibitor, his plants and standards being very well grown and in good trim. Exhibition Park, Horticultural Gardens and the North Toronto Floral Co. were the only other exhibitors of specimens. The 12 distinct varieties in 6-inch pots put up by Exhibition Park were well worthy of mention. Single stem, single flower plants were well represented and the competition was keen. Grainger Bros. were first for whites with 12 very fine Queens, Horticultural Gardens second with Niveus, Miller & Son third with some good Mayflower. Grainger Bros. were also first in pinks with President Smith. H. Dale, of Brampton, was ahead in yellows with Georgiana Pitcher, magnificent blooms. Horticultural Gardens, in any other color, was first with Marguerite Jeffords. In 12 distinct varieties, three in a 6-inch pot, H. Dale had the prettiest and best; Exhibition Park second best.

There were five entries for the best group of chrysanthemums, palms and ferns arranged for effect. Manton Bros. took first prize for the best arrangement ever seen in the pavilion. I much regret not being able to get a respectable photograph of it, but the windows at the back made it impossible. W. Jay & Son were second for a very pretty and tasty group, but a little too tightly packed and evenly banked. Grainger Bros., who were awarded third prize, also had a most beautiful arrangement, which probably would have been second but for a large cycas (a fine plant too) at one end which somehow seemed to mar the whole effect. The ten-foot circular groups of foliage plants round the gallery pillars were excellent too, the one put up by Horticultural Gardens was admired by everybody; Exhibition Park came second and Manton Bros. third. There were no mantels this year, and this exhibit was much missed; a sudden demand seems to have sprung up for mantels last month and even the manufacturers were run out or short.

The exhibit of palms in 10, 8 and 6-inch pots was very large and the competition keen. They made a great show and are altogether indispensable. The section for a single specimen palm must be put back in the prize list next year; they are wanted



CENTER TABLE AT THE TORONTO SHOW.

to complete the general effect. Manton Bros., J. H. Dunlop, W. Jay & Son, Grainger Bros. and Exhibition Park were the prize takers. Large ferns were a little off color, exhibitors probably not caring to bring their best out at this time of year. Small ferns in 3-inch pots showed up in large quantities and were of very good quality too; they come in most useful for placing round the tables of cut flowers, among orchids, etc. J. H. Dunlop, Grainger Bros., Manton Bros., Jay & Son had the best.

Orchids were in fine feather, and Manton Brothers were the chief exhibitors. They had a large and beautiful collection of cattleyas, cypripediums, etc. A fine spike of Oncidium varicosum was seen hanging from the tripod. J. H. Dunlop was first for three orchids in flower, one a fine Zygopetalum Mackayi. Horticultural Gardens had among their lot a Vanda tricolor, Peristeria espiritu sancto, etc. Exhibition Park had a grand piece of Cypripedium Spicerianum, also C. Sedeni and others. These orchids were a great attraction. Mr. Gore took first prize for his primulas, and Grainger Bros. for their cyclamen. J. H. Dunlop was first for six callas in 10-inch pots. Others had some fine large plants, but they were not in flower.

Mr. A. H. Ewing was the judge of plants. There were no protests, but Mr. Ewing begged me to offer his thanks to the exhibitors for their kind forbearance and to assure them of his deep regret at his inability to award them all first prizes, being well aware that they all thoroughly deserved them, although one did do a little better than the other. Mr. Ewing also instructed me to say that he had no use for the "stony stare" or a suit of armor; the "glad hand" was always extended.

In the chrysanthemum cut bloom class a large number of entries were made; the competition was very close and the judge had to come down to fine points in order to reach a decision. The vases of 20 blooms were really grand; some of them may be seen on center table photograph. H. Dale's Queens well deserved first prize; Grainger Bros'. Ivory were second, Miller & Son's Mayflower third. This latter sort, although they were magnificent blooms, did not seem to "fetch" the judge and it was the same all through, the plant judge being affected the same way. It is not by any means a pure white by day light, but by artificial light it is "all right" and very "fetching"; they were judged by daylight. Dale was first also for his vase of 25 any varieties, Miller & Son second. For the vase of 12 white Mills & Thompson took first with Queen, Exhibition Park second with Niveus. Miller & Son's vase of 12 Bonnaffon got there in yellows, Mills & Thompson's Georgiana Pitcher second. Dale's 12 Viviand-Morel, superb blooms, were the first pinks; Miller & Son's W. H. Smith second. In the vase of six yellows, Exhibition Park's Georgiana Pitcher were first; Mr. Geo. Hollis took second with his new Edgar Buckland, a very taking flower and one that should be in every collection, quite distinct. Dale took first for 25 distinct varieties. Dunlop second. Dale also took first for 12 distinct varieties, Mills & Thompson second. Miller & Son obtained a certificate of merit for a fine seedling and Geo. Hollis showed three seedlings, one a very pretty and distinct pale pink. He also was awarded a certificate of merit. Mills & Thompson also had a sport from Queen with a cream tinge, very pretty.

Floral designs, etc., were fully up to the mark and made a magnificent showing. The hand bouquet of any flowers, presentation baskets of any flowers and of chrysanthemums were judged by Lady Aberdeen, who visited the show on the second day. She did her work like an expert, though of course it was a matter of taste in a large degree. There were three bouquets entered. Dunlop, with Bridesmaid and lily of the valley, a very tasty bunch, was awarded first; Manton Bros. had a superb bouquet of cattleyas, but a little too flat perhaps, which was second; Tidy had a beautiful bunch of Bridesmaid, which took third. In the presentation basket of any flower Dunlop was again first; his basket was filled with Bride roses and mignonette, and decorated with cattleyas, zygopetalum and valley; Tidy was second with a basket of Meteors which some thought should have been first; Grainger Bros. were third with a beautiful basket of 'Maids. Dunlop's presentation basket, filled with the finest Golden Wedding in the show, was magnificent and well deserved first prize; Grainger Bros. were second with pink and white chrysanthemums. Grainger Bros'. flat basket of Viviand-Morel and Queens was first, Dunlop second with Dailledouze and Niveus, Jay & Son third. The first prize for standing anchor was as usual taken by Tidy for work which could not be beaten anywhere; the work

manship and taste were perfect; Dunlop was second with a beautiful piece, but the base was too heavy and the anchor too low; Grainger Bros. third for a better proportioned piece, but I suppose not quite so well done.

There now remains the carnations and roses. The former, as before mentioned, were the best ever shown here. The North Toronto Floral Co. (W. Muston) took first in whites for some magnificent Lizzie McGowans, first in reds with Jubilee, third for pinks with Scott, and third for bunch of 50 with Daybreak. Dale was first in pink with some superb Edna Craig, second in whites with Flora Hill, second in reds with Portia, first in yellows with Dean Hole (very fine), first in bunch of 50 with Edna Craig again. Dunlop took second with Triumph in bunch of 50, and third with Ontario in whites. Miller & Son were second with Triumph in pinks, third with Meteor in red and second with a yellow seedling. They also had many promising seedlings. In the bunch of 50 with green most tastefully arranged, there were many entries; Manton Bros. first, Dunlop second and Tidy third. In fancies the North Toronto Floral Co. was first with superb Minnie Cooks, Dale second with Mrs. Bradt, Milier & Sons third with seedlings.

In roses Dale took first for Perle, Bride, Bridesmaid, Mme. Hoste, Cusin and Meteor. Dunlop took first for Mermet, Wootton, Sunset, Am. Beauty and Carnot. For vase of 50 roses, arrangement to count in judging, Dunlop was ahead with a grand bunch of Am. Beauty; Dale second also with some very fine American Beauties, and Tidy third. All these roses made a truly splendid exhibit, one which I don't think could be beaten at any of the shows held this fall. There were violets galore, and fine ones at that. Dale, Grainger Bros. and Manton Bros. took prizes for doubles in the order named, and Manton Bros., North Toronto Floral Co. and Dale for singles.

The amateurs in their classes did very well, considering it was the first public show held by the Horticultural Society. In fact some of the cut blooms and the single-stem plants were as good as in the professional classes, Mr. G. R. Copping and Mr. H. Lucas being the principal prize takers. There were also exhibited some well grown palms, ferns and foliage plants and fruit, making in all a very creditable show for a beginning; we must creep before we can walk, and if only amateurs will get over that fear many of them seem to have of being beaten, we shall soon get a first-class show from them. There are points about showing plants and flowers which cannot be learned except in actual practice, and the sooner these points are learned the better for everyone.

This I think concludes the prize list. I must mention, however, that Mr. Wm. Gammage, of London, acted as judge of cut flowers and designs (outside of those judged by Lady Aberdeen) and gave great satisfaction by his conscientious work. There were no protests and I heard no kicking at all. From a social point of view among the trade the show was certainly the best we have had; everyone "took their medicine like little men," and one heard none of that jealousy and bickering that so often mars the pleasure of these exhibitions. This is a phase that should be kept up and even improved. There were many more florists from outside points present than we have had before. I was unable to get all their names, but I can mention Messrs. F. Mitchell, of Innerkip; W. Hunt, S. Aylett, F. G. Foster and E. J. Townsend, of Hamilton; H. McLean, St. Thomas; H. Groff, Simcoe; W. Gammage, A. G. Stevens and Cole, of London.

And now I am sorry to have to state that the show was not a financial success. We did not take in as much at the door during the four days as in other years we have taken on Thanksgiving day, and this for no lack of advertising and energy in getting it before the public. On the Saturday it was expected there would be a big turn out, but a reception at Government house and an exciting football match in the afternoon and Nansen in the evening, were counter attractions which the show could not overcome. However, all expenses will be paid and as far as can be seen at present the prize winners will get about 50% of their money, perhaps a little more. It is extremely gratifying, though, to hear the boys say that in spite of the loss they will not be deterred from endeavoring to make as good a show next year. That is the right spirit and it does one good to hear it.

During the show a most enthusiastic meeting of the trade present (about 50) was held in order to form a Canadian society, somewhat on the lines of the S. A. F. The name chosen was the "Canadian Horticultural Association," and Mr. Wm. Gammage, London, was elected president; Mr. Hugh McLean, St. Thomas, secretary; Mr. J. H. Dunlop, Toronto, treasurer. A meeting will be held some time in January next to elect permanent officers and an executive committee, and to confirm the constitution and by-laws arranged at this preliminary meeting. There appeared to be an urgent need for something of this sort in Canada, and it is expected that the trade in all the provinces will join in and make this association a howling success. Mr. Hugh McLean, the secretary, is a hustler, and as these societies depend mainly on that officer, there is no doubt about this one going ahead and getting there. I shall have more to say on this head hereafter.

I omitted to mention that some blooms of two or three Japanese seedlings grown by Messrs. Walker & Robinson, florists, of Vancouver, B. C., arrived on the last day of the show in good order, having been six days on the road. They were not show blooms, but were much admired for all that. E.

Poughkeepsie, N. Y.

The Dutchess County Horticultural Society had good reason to be proud of its third annual exhibition which was held at the Armory on November 3–4–5. Five hundred dollars in regular prizes, besides numerous special premiums of considerable value were competed for and the expert private gardeners as well as several of the trade growers in this section entered into the contest with much enthusiasm and put up an exhibition that was highly creditable.

The classes calling for specimen plants were the only ones that did not draw out abundant competition. In fact there were but two plants of this description in the hall, contributed by W. C. Russell, gardener to C. F. Dieterich, and his assistant, James Maharg, but they were very good. In the smaller plants in groups, and those grown to single stem and flower, there were several entries; those from U. G. Agor, gardener to Fred. Vanderbilt, being excellent in every respect. Thomas Emerson, gardener to W. B. Dinsmore, and Thomas Harrison, gardener to L. P. Morton, staged fine groups of decorative foliaged plants and large contributions in this line, including specimen bay trees, came from F. R. Pierson Co. Thos. Emerson and F. Newbold exhibited in the fern classes and from Mr. Emerson came also a beautifully arranged table of orchids including well flowered specimens of Cattleya Bowringiana, C. labiata, Dendrobium Phalænopsis and a variety of cypripediums.

The system of exhibiting chrysanthemum blooms without foliage, on green boards still prevails here to some extent. W. G. Gommersall, Hamilton Scott, Richard Grieg, gardener to C. DeRahm, and James Blair, gardener to Ogden Mills, were especially successful in these classes, the latter winning the special Butterfield prize. The blooms shown with stem and foliage, in vases, were the greater attraction and many of the exhibits were of high order.

The Henderson prize for twelve white of one variety went to I. L. Powell's Mrs. H. Robinson, that variety beating by a close margin A. Herrington's Frank Hardy. A. Herrington, W. C. Russell and U. G. Agor were all winners in the various cut flower classes. The Rives prize for the best arranged basket went to Owen G. Owen, gardener to Wm. Crawford, for a fine arrangement of yellow blooms with asparagus, and Richard Grigg took the prize for vase of twenty-five blooms arranged for effect, with white flowers and autumn foliage.

Among the gardeners "up the Hudson" violets hold a very high position and on no other can so sharp rivalry be engendered. Violets are judged here by a scale of points, as follows: Fragrance 20, color 25, size and weight of flowers 25, length and weight of stem 20, foliage 5 and bunching 5. The Plenty prize for best one hundred blooms brought out eight competitors. Stanton Rockefeller was first and C. F. Bahret second in this class. Mr. Bahret got the society's cup for best two hundred and fifty blooms for which there were five entries, second going to J. F. S. Banks, and Paul Gindra was winner on singles.

There were a good many roses of the standard varieties shown by several exhibitors. Wm. Turner won the Morton special prize for forty-eight flowers and I. L. Powell's Beauties were especially fine. The Osborne prize for centre piece went to Owen G. Owen for a pretty arrangement of Meteor roses and Adiantums. Carnations from Herman Asher, gardener to Dr. Miller, Owen G. Owen and Wm. Turner were good, also mignonette from I. L. Powell.

Good music was provided during the continuance of the show and the attendance of the public as well as of the profession from neighboring towns was satisfactorily large.

Montreal.

The following is a list of prize winners at the chrysanthemum show:

George Robinson received 1st prize for 12 specimen plants; 6 specimen plants; 3 specimen plants; 1 specimen plant; 6 plants in 7-inch pots; 12 plants in 6-inch pots; 6 plants in 6-inch pots; 12 plants in 5-inch pots; 1st for best plant in the show; 1st for 12 blooms; 1st for 3 blooms white; 1st for 3 blooms yellow; 1st for 12 bronze; 1st for 12 blooms pink; 1st for 12 blooms yellow; 2nd for 24 blooms; 2nd for 6 blooms.

T. McHugh, gardener to Forest and Stream Club, 1st for 24 blooms winning challenge cup; 1st for 6 blooms winning challenge cup; 1st for 3 red. A. Pinneteau, superintendent Logan Park, 1st for group

of chrysanthemums and foliage plants, 1st for group of chrysathemums only; 1st for 25 white carnations; 1st for 25 light pink; 1st for 25 dark pink; 1st for 6 palms; 1st for 2 pot callas; 2nd prize for 1 ruellia; 2nd for 25 red carnations; 3rd for 25 ferns.

C. A. Smith, gardener to T. A. Dawes, Esq., 2nd for 12 specimen plants; 2nd for 6 specimen plants; 2nd for 3 specimen plants; 2nd for 12 plants in 6-inch pots; 2nd for 6 plants in 6-inch pots; 2nd for 6 palms; 3rd for 3 palms.

W. H. Harobin, gardener to R. G. Reid, Esq., 1st for 3 blooms pink; 2nd for specimen tree fern; 2nd for specimen fern; 2nd for 12 blooms; 2nd for 6 blooms; 2nd for 3 white; 2nd for 3 yellow; 2nd for 3 red; 4th for 24 blooms. Fred Bennett, gardener to Robt. McKay, Esq., 1st for specimen fern; 1st for specimen palm; 2nd for 6 solanums; 2nd for 12 yellow and 12 pink chrysanthemums; also 2nd for 12 blooms; 3rd for 6 blooms; 2nd for 25 ferns in 5-inch pots. W. J. Wilshire, gardener to R. B. Angus, Esq., 1st for 6 orchids; 1st for 3 orchids; 1st for 1 orchio; 1st for tree fern; 1st for 3 palms; 3rd for 24 blooms chrysanthemum, and a certificate of merit for bunch of Barbarossa grapes, weight 8 lbs. 3 oz.; also 1st for specimen Ruellia macrantha.

Joseph Bennett, florist, 1st for 12 Bride roses; 1st for Bridesmaid; 1st Perle; 1st for Morgan; 1st for Meteor; 1st for any other variety; 1st for 100 ferns in 3-inch pots; 1st for 50 ferns in 4-inch pots; 1st for 25 in 5-inch pots. Wilshire Bros., florists, 1st for wreath of flowers; 1st for wreath of chrysanthemums; 1st for basket of chrysanthemums; 2nd for 100 ferns in 3-inch pots; 2nd for 50 in 4-inch pots. R. W. Whiting, gardener to H. S. Mussen, 1st for 6 Primula sinensis; 2nd for group of chrysanthemums; 2nd tor 1 orchid.

W. Alcock, gardener to Hugh McClennan, Esq., 1st for epiphyllum; 2nd for group of chrysanthemums. Geo. Cadman, gardener to A. A. Ayer, Esq., 2nd for specimen palm; 3rd for 6 solanums; 3rd for Primula sinensis; 3rd for table decoration. J. Stenning, gardener to W. Yulle, Esq., 2nd for 12 plants in 5-inch pots; 2nd for epihyllum. F. C. Smith, florist, 3rd for 6 specimen chrysathemums; 3rd for 3 specimen chrysanthemums. R. Spillman, gardener to J. Joseph, Esq., 2nd tor 3 blooms pink. P. McKenna & Sons, 2nd for 25 white carnations; 2nd 6 primulas. J. Eddy & Sons, 2nd wreath of flowers.

The following special prizes were awarded: Colin Campbell, florist, for 2 groups of foliage plants and chrysanthemums; to A. Pinneteau for group of foliage plants; to T. McHugh for largest and best bloom in the show; for variety Mrs. Henry Weeks; to Walter Wilshire for vase of new seedling white carnation.

BEAVER.

Milbrook, N. Y.

The fifth chrysanthemum show was held November 9th and 10th. To say that this entire show was excellent in every particular is only a very tame expression, for it certainly deserves the highest commendation that can be bestowed upon it. The usual weak spots or exhibits to be found in most shows were practically not to be found in this one, and this reflects much greater credit upon the exhibitors who worked so hard to make it a beautiful show, because there were not over a dozen exhibitors in the whole list, and it might safely be said that for the main part of it there were only four large contributors, the balance were simply contributors of a few specialtics.

To enumerate all the specially fine things would take a large proportion of this paper, but an extra fine vase of 25 Niveus arranged with scarlet berried berberries and handsome colored ampelopsis by Mr. Thomen, gardener to Mr. Wing, was strikingly beautiful in this class; also Mrs. Perrin arranged with fern was very effective; there were five competitors and the premiums went in the order given above.

In the class for 6 vases, 6 of a kind, on long stems, the competition was particularly close. Five vases in each exhibit were so nearly equal in perfection that no distinction could be made, but in the last pair tested Mrs. J. Jones outpointed Nellie Elverson, but only by one, thus giving the first to Mr. Russell, gardener to Mr. Dietrich, and the second to Mr. Powell, gardener to Mr. S. Thorne. In the class for 25 blooms of one kind the competition between Minerva and Golden Wedding was again so close that no advantage could be given to one over the other; both were superb vases of blooms. In pot plants there were some grand specimens. The best plant in the hall was one of W. H. Lincoln measuring nearly 10 feet over, with 210 exhibition blooms on it. But the sensation of the show was the best individual bloom, Mrs. J. Peabody, 27½ inches in circumference around the body of the flower without any spreading out of the petals.

These were not only a few of the extra features of the show, but every part of it was particularly good; not the least attractive portion was the excellent concert given in the evening which helped to fill the hall with an appreciative audience. Great credit is due to the managers, the exhibitors and everybody interested in making not only an excellent show, but one of very superior quality all through. There were many visitors from distant points and all were unanimous in their praise and commendation. J. N. M.

Chicago.

The chrysanthemum show closed Saturday last with an attendance for the day that broke all records. The attendance was excellent during the whole show, in spite of two disagreeable days, and the members of the society are much gratified at the success scored, both financially and otherwise. There is talk of having the exhibition in the Auditorium next year and several very influential gentlemen are quite enthusiastic over the plan.

On Friday came the competition in seedling chrysanthemums. In the classes for two year old seedlings, 10 blooms of each, E. G. Hill & Co. were 1st in the pink class with Autumn Glory, a light pink with good substance, and it looks like a good commercial variety. The same exhibitor was first in the red and bronze classes with Black Hawk in the red, and Madison, bronze, the former being very dark in color but still lively, the latter a little dull but with fine stem and foilage. H. W. Buckbee, Rockford, Ill., had on exhibition a vase of a sport of Mrs. S. T. Murdock, a light pink, almost white, and was awarded a certificate. A. McAdams exhibited a vase of May Foster, white, from late struck cuttings. E. G. Hill & Co. entered both Enchantress, white, after the style of Mutual Friend, and No. 111, yellow, a seedling of Harry May, a flat open flower.

E. G. Hill & Co. made a clean sweep in the first year old seedling class, the judges awarding them 3 first prizes in the yellow class, for Guinea Gold, Elma and Carolina, and first in white for Washington; pink, Onyx; red, Phil. Sheridan.

There was only one certificate awarded on carnations, and this went to Peter Fisher, of Ellis, Mass., for Mrs. Thomas Lawson. In the darker than Scott class, Stollery Bros. exhibited Argyle, W. N. Rudd, No. 34, a deep pink; Thos. DeWitt, Wooster, O., deep pink but in poor condition; Hopp & Lemke, Grand Rapids, Mich., exhibited Kathleen Pantland, light pink, fine color, but a little small as shown.

There were no entries in the one year old classes of carnations. W. N. Rudd showed several two year old seedling, but not enough flowers of each to enter them for competition. A vase of Evelina was staged by R. Witterstaetter, Cincinnati, O.

In the table decoration competition W. J. Smyth won the first prize of $125, and the Art Floral Co. the second prize of $90.

The judges in all classes except floral arrangements were Messrs. A. H. Fewkes, Newton Highlands, Mass., and Prof. L. R. Taft, Lansing, Mich. But these gentlemen being obliged to leave the city Friday evening, the Saturday awards were made by Messrs. Edgar Sanders and Geo. Wittbold. The awards on floral arrangements were made by a large committee of leading society ladies.

NOTES.

Where-we-are-at now, in Chicago, as I see it. Never has there been seen anywhere such a completely artistic, satisfactory display of plants, of flowers, of arrangements and general equipment made before. Of chrysanthemums in all phases nothing could be better; of palms and foliage plants I say the same.

Of flowering plants no geraniums have been seen to approach the display. No cyclamen have hitherto been seen equal to what we have here, in fact, words cannot be found to express what there is now here in any or all of the classes.

The picture part, I mean the art display of paintings, is not only an innovation which has not before been attempted, but is a step in the right direction and should be encouraged in the future to a greater extent. One picture particularly, "The Hard Toilers," is so expressive of Rudd, of Chadwick, of Egan and all of the executive committee, that I think this picture presents what hard toiling means. Let us have pictures, and flowers, and music; which are companions in all that makes life worth living. J. T.

Cleveland.

The third annual chrysanthemum show given by the Cleveland Florist Club opened at Army and Navy Hall, Tuesday, Nov. 16th, under decidedly unfavorable conditions, at least so far as weather was concerned. It had been raining nearly every day for a week, and this particular day witnessed the windup of the six day continuous performance in rain making. Toward afternoon, however, it cleared somewhat, although the air was exceedingly disagreeable and the streets were in a most unpleasant condition. These untoward circumstances may have contributed their share in keeping down the attendance, which was much lighter than the first day last year. The hall was tastefully decorated overhead with southern smilax and other greens, the cut flower exhibits being mostly arranged on long tables running lengthwise of the hall, with the plant groups at the sides and against the walls. The necessary musical feature was furnished by the orchestral element of the Great Western Band.

Speaking first in a general way of the exhibition as a whole it was fully as good

as in other years. In the pot plants of chrysanthemums there was considerable improvement in quality. The cut flowers, while there may not have been much advance in the quality of the prize winners, certainly showed a higher average of grade throughout. The carnations were of good quality, some of the newer ones showing up in very good form, while some seedlings shown by various parties gave promise of developing something of merit. The rose display was not very large, but in quality, with the exception of American Beauties, was certainly as good as any heretofore.

In the chrysanthemum exhibits, classes of ten and fifteen varieties respectively, five blooms of a sort, Nathan Smith & Son, Adrian, Mich., carried off first with an excellent display. The fifteen varieties shown were Mrs. Perrin, Major Bonnaffon, E. A. Kimball, Mrs. H. Weeks, Viscountess Hambledon, Zulinda, Madame Phillipe Rivoire (an excellent commercial white, apparently), Sunstone, Minnie Wanamaker, Chito, Mrs. M. A. Ryerson, Silver Cloud, The Egyptian, Marguerite Jeffords and Philadelphia. Mrs. Weeks, the new English white, was beautifully done, and on its appearance should make one of our finest and most useful sorts. As exhibited it had a splendid stem, was a beautifully built and finished flower, and was of a most desirable tone in white, very difficult to improve. Old reliable Wanamaker showed well in comparison with other sorts. Chito, a bronze sort, was good. Mrs. Ryerson and Marguerite Jeffords showed up well. Philadelphia was unusually fine in quality. Silver Cloud, not new, but seldom or never seen hereabouts, was of a beautiful shade of pink, somewhat lighter than V. H. Hallock.

The ten sorts shown by the same firm were Western King, Modesto, Dailledouze, Niveus, Mayflower, G. W. Childs, Golden Wedding, Madame Octave Mirabeau, Dorothy Seward and Mrs. Jerome Jones. The Niveus and Jerome Jones in this lot were very fine.

The three firsts for thirty blooms each of white, yellow and bronze, respectively, that were captured by James Edie, were won with Queen, Modesto and Harry May. The winning blooms were magnificent stock and certainly well worthy of the premiums they took. The same exhibitor also showed some Maud Dean in the competition for fifteen pink that were plenty good enough for the first premium they took. In the class for the fifteen white, Mayflower, shown by The Essex Greenhouses, took first and were remarkably good.

As said before, the rose exhibit was not very large, but the stock was all very good; first went to Edie for Bride, Bridesmaid and Meteor. Bridesmaid in this lot was particularly fine in color and even in size.

Wamelink Bros. showed Bride and Bridesmaid, not for competition, however, that, had they been entered for premiums, would have been hard to beat.

To revert to the carnation display and some noteworthy matters in relation thereto, a very attractive variety was a new one shown by Caspar Aul of this city. It was somewhat like Tidal Wave in color, but darker and richer, with a better stem in the matter of length. It received special mention. Carl Hagenberger of Mentor, Ohio, showed a vase of seedlings, among which were three, a white one, a very large, full, light red and one in the way of Daybreak that were very good. Stollery Bros., of Chicago, showed some fine Argyle. Maud Dean and Mayor Plagree, exhibited by J. M. Gasser, were also particularly good. Note well that the premium for best white went to Flora Hill and Jubilee got first for red.

In the various groups shown there was nothing much out of the usual line. The stock used was all very good, but owing to necessary arrangement of other exhibits competitors were somewhat handicapped. Among the pot chrysanthemums, some bush and standard plants, shown by Merkel & Son, of Mentor, were excellent; a plant of Mutual Friend and one of W. H. Lincoln being extra good.

Tables were all of uniform excellence, making the matter of deciding the question of superiority one of extreme difficulty. J. M. Gasser showed a round table with centerpiece of Aldantum gracillimum and Cypripedium insigne. The whole arrangement was peculiarly graceful in finish and appearance and the color scheme was beautifully carried out in all the accessories. This table was awarded first. A. Graham & Son showed a round table also. The center was a tall vase of selected Brides with a garland of white roses and pink cattleyas. Favors were white roses; awarded second.

Third prize went to E. J. Paddock, who showed a decoration of pink roses with a tall vase of same. Favors pink roses and carnations.

James Eadie got honorable mention for a very pretty arrangement of pink roses. Ella Grant Wilson showed a rather unique arrangement of a star shaped center of chrysanthemums and Carnot roses under a canopy of chrysanthemums and swainsona.

First in designs was a very dainty fan, beautifully worked out in pansies, Meteors and lily of the valley on a back ground of adiantum. First for chrysanthemum basket went to J. M. Gasser for basket of Maud Dean.

The list of awards were as follows:

PLANTS.

Ten plants white, 1st to Mollenkopf Bros., G. M. Stenger 2d. Ten plants pink, Casper Aul 1st, Mollenkopf Bros. 2nd, G. M. Stenger 3rd. Ten plants yellow, J. M. Gasser 1st, F. Aul 2nd, Mollenkopf Bros. 3rd. Ten plants red, J. M. Gasser 1st, Mollenkopf Bros. 2nd. Six plants, 6 varieties, not over 10-inch pots, J. M. Gasser 2nd. Best single specimen bush plant, C. Merkel & Son 1st, C. Cunningham 2nd. Best single specimen standard, C. Merkel & Son 1st, C. Cunningham 2nd, Wm. Stade 3rd. Ten single stem plants, white, F. Aul 1st, Mollenkopf Bros. 2nd, E. J. Paddock 3rd. Ten single stem pink, E. J. Paddock 1st, J. M. Gasser 2nd. Ten single stem yellow, Mollenkopf Bros. 1st, E. J. Paddock 2nd, J. M. Gasser 3rd. Ten single stem red, E. J. Paddock 1st, Mollenkopf Bros. 2nd.

CUT BLOOMS.

Fifteen varieties, 5 blooms each, Nathan Smith & Son 1st, C. Merkel & Son 2nd, H. Tong 3rd. Ten varieties, 5 blooms each, Nathan Smith & Son 1st, C. Hagenberger 2nd, Mollenkopf Bros. 3rd. Best vase, 50 blooms, one variety, white, James Eadie 1st, J. M. Gasser 2nd, A. Schmitt 3rd. Best vase, 30 blooms, pink, H. A. Hart 1st, James Eadie 2nd, Fred Aul 3rd. Best vase, 30 blooms, yellow, James Eadie 1st, Nathan Smith & Son 2nd, Fred Aul 3rd. Best vase, 30 blooms, red, James Eadie 1st, Nathan Smith & Son 2d, A. Graham & Son 3rd. Fifteen blooms, white, Essex Greenhouses 1st, James Eadie 2nd, Nathan Smith & Son 3rd. Fifteen blooms pink, James Eadie 1st, H. A. Hart 2nd, Nathan Smith & Son 3rd. Fifteen blooms, yellow, James Eadie 1st, H. A. Hart 2nd, Nathan Smith & Son 3rd. Fifteen blooms, red, E. J. Paddock 1st, A. Schmitt 2nd, Nathan Smith & Son 3rd. Pompon sorts, 5 varieties, 10 blooms each, Nathan Smith & Son 2nd. Best and largest display in one vase, private establishments, E. Cunningham, certificate. Best seedling, H. Tong, certificate of merit. E. G. Hill & Co. with Autumn Glow, certificate. In roses, American Beauties, J. M. Gasser was 2nd. Fifty Brides, James Eadie 1st, J. M. Gasser 2nd. Fifty Meteors, James Eadie 1st, Fifty Bridesmaids, James Eadie 1st, J. M. Gasser 2nd. In carnations, white, one variety, 50 blooms, C. Merkel & Sons were 1st, A. Graham & Son 2nd, C. Hagenberger 3rd. Fifty blooms, red, A. Graham & Son 1st, J. M. Gasser 2nd. Fifty blooms, yellow, J. M. Gasser 1st. Fifty blooms, lighter than Scott, C. Hagenberger 1st, H. A. Hart 2nd, J. M. Gasser 3rd. Fifty blooms, pink, Scott or darker, J. M. Gasser 1st, same 2nd, N. Smith & Son 3rd. Fifty blooms, any color, J. M. Gasser 1st, H. A. Hart 2nd, C. Hagenberger 3rd. One hundred blooms, best arranged vase, J. M. Gasser 1st. In violets G. P. Rawson was 2nd.

MISCELLANEOUS.

Best group in decorative plants, 150 feet, A. Graham & Son 1st, Ella Grant Wilson 2nd, J. M. Gasser 3rd. Best display 75 square feet decorative plants, S. N. & W. J. Pentecost 1st, A. Schmitt 2nd, C. J. Paddock 3d. Best 10 decorative plants, not over 10-inch pots, J. M. Gasser 1st. Best 10 window plants, not over 8-inch, H. A. Hart 1st, Mollenkopf Bros. 2nd, E. J. Paddock 3rd. Best single specimen plant, H. A. Hart 1st, H. B. Hyatt 3rd. In table decorations J. M. Gasser was 1st, A. Graham & Son 2nd, E. J. Paddock 3rd, James Eadie 4th. Ella Grant Wilson, honorable mention. Chrysanthemum baskets, J. M. Gasser 1st James Eadie 3rd, Ella G. Wilson 3rd, H. A. Hart honorable mention. Bridal bouquets, J. M. Gasser 1st, James Eadie 2nd. Best floral arrangement, J. M. Gasser 1st. A.

Philadelphia Show Notes.

It was a wise move of our Boston friends in arranging the dates of their show not to conflict with those of Philadelphia. It was not, however, taken advantage of so fully as it might have been, especially by Philadelphians. If they could not exhibit anything to do credit to themselves nor to the city, they could have taken a run on to see how well they do things over there. A start has been made, and it is to be hoped it will be kept up, and mutual benefits result by the arrangement.

Alex. Montgomery did nobly in bringing an exhibit here, more so on account of the opportunity it afforded Philadelphians to see some of the products of the Waban Conservatories located at Natick, Mass., belonging to E. M. Wood & Co., the widely known growers of cut flowers for the Boston and other markets. The varieties exhibited were Mrs. Jerome Jones and Modesto, and they certainly were a revelation to all who had the good fortune to see them. The foliage had the appearance and texture of leather. It was large, heavy and glossy, the very picture of robust health. Many were the sad sighs heard by those who have been making what now appears to have been feeble efforts for these many years to grow the Queen of Autumn.

Mr. Montgomery states that he just fools with them nights and mornings for the fun he gets out of them, as that is the only time he can spare, not allowing the chrysanthemums to interfere with the regular routine of rose growing. He has a son taking an agricultural course in one of the colleges, who spends his summers at home, and he partly blames the boy for the grand results achieved. Is it potash, or phosphorus or nitrogen, or a correct commination of all three given at the proper time and in suitable doses that has made these particular Mrs. Jerome Jones the envy of growers hereabouts who have seen them?

A new hybrid cypripedium was exhibited at the Philadelphia show for the first time, and we believe it is the first hybrid orchid ever shown before the Pennsylvania Horticultural Society with the object in view of receiving for it the just recognition to which it may be entitled. And it has also been stated that it is the first cross on record from the species Rothschildianum that has so far flowered, either in America or Europe. It was raised by Mr. Henry T. Chinkaberry, gardener for C. G. Roebling, Esq., Trenton, N. J., from the not very common Rothschildianum above referred to, and which was fertilized with pollen from C. barbatum superbum. It is described by Mr. C. T. Akins as near as we can remember as follows:

"Foliage intermediate between the two parents in appearance. It is very fleshy,

and similiar in texture to some of the concolor crosses. The plant is in perfect health evidently being a free grower. The flower stem is 12 inches long. The slipper resembles Rothschildianum in form with the coloring of barbatum superbum. The petals are three inches long, profusely blotched with brown spots on light green ground, rosy purple points, hirsute appendages along edges; dorsal sepal somewhat broader than that of Rothschildianum and of similar markings, suffused with rose." It has been named Edwin Lonsdale. The silver medal of the society was awarded to this rare and beautiful novelty. L.

Worcester, Mass.

We were rather disappointed at the small attendance at the chrysanthemum exhibition, it being about thirty per cent lower than last year, although we had a much better show than in '96 and it was well advertised in weekly and daily papers, from one to two columns of reading matter in all the papers on the opening day, yet the public didn't respond.

We had no side-shows, no music or other attractions, but we did have a splendid showing of plants and blooms that was surely worth the price of admission. It looks as if the public did not care enough about it to make the game worth the candle. The largest attendance was on the second day, probably called out by the mantel decorations. These were an attractive feature and some beautiful arrangements were shown. H. F. A. Lange, W. E. Sargent, Chas. D. Thayer and F. B. Madaus were awarded premiums in the order named. Following are the winners of the first premiums, three and four premiums being awarded in each class:

PLANTS.

Best twelve plants, best six, best white, F. A. Blake; best three, best pink, best palm, H. F. A. Lange; best yellow, best fern, F. B. Madaus; best red, Wm. Darling; best decorative plants, C. D. Thayer.

CUT BLOOMS.

Best vase 25 white, 25 yellow, 12 pink, 12 white, 12 yellow, 12 sprays, six cut blooms—H. F. A. Lange; best 25 pink, single bloom white, single bloom pink, display of pompons, F. A. Blake; best 25 mixed, 12 cut blooms, single bloom yellow, E. R. V. Thayer; carnations, F. A. Blake; roses, H. F. A. Lange. A. H. L.

Louisville, Ky.

The chrysanthemum show closed Saturday night after the most successful exhibition of these popular autumn flowers ever given by the Kentucky Society of Florists. The indications are that the society has fared well from a financial standpoint. At 8:30 o'clock Mr. J. C. Marrett mounted a table and auctioned off the pots of chrysanthemums, roses and carnations. The purchasing was spirited and by 9:30 o'clock the flowers were all sold.

The cut carnations and roses were as fine as any seen at any exhibition. In carnations Mr. Kunzman was first on 25 white and 25 pink, Nanz & Neuner on 25 red. In roses Mr. Kleinstarink was first on Perles, J. Schulz on Bridesmaids and American Beauties, Julius Buser on Brides and Meteors, Nanz & Neuner on La France, Kaiserin and Gontier; E. J. Marrett on Niphetos. The M. A. Hunt Floral Co. sent some very fine roses that would undoubtedly have been prize winners, but as they had failed to pay the entry fee they were barred from competition.

On funeral design Mr. Mann was first. Nanz & Neuner were first on table decoration and Mr. Kunzman was at the head on basket of carnations. Jacob Schulz took first on violets, both double and single.

Special prize on 12 white carnations went to L. Lichtefeld & Son, on 12 red to Jos. Coenen & Co., on 12 pink and 12 all colors to Mr. Kunzman. Special to Jos. Coenen & Co. for best 12 roses.

F. C. H.

Omaha, Neb.

Omaha's first chrysanthemum show was opened on November 15. The day was stormy but the attendance was good. The show bids fair to be a grand success in every way. It was the out growth of suggestions taken at the last moment, but the entire Florists' Club took hold of the idea with such enthusiasm that it is doubtful if a finer show could have been produced if the stuff had been grown for that purpose alone. Bassett & Washburn have already sent a fine bunch of Am. Beauties, Vaughan, McKellar & Winterson have sent an exhibit of cut mums; J. C. Vaughan, an elegant bunch of new varieties; and The Mendenhall Greenhouses, of Minneapolis, have sent in a fine display of cut 'mums. Many other growers have intimated their intentions of sending in cut flowers to the Omaha show but as yet their exhibits are not in place.

Business is improving. First-class 'mums sell at $2 a dozen. Good violets are scarce and sell readily at $1 per hundred. Some A1 American Beauties are coming in but a great percentage are affected with thrips. Very few good carnations are offered in our stores and most of those come from Lincoln; they sell at 25 cents a dozen. Wilcox, of Council Bluffs, is sending in some fine Brides and Am. Beauties. Hess & Swoboda are cutting strictly first-class 'mums, and Donaghue shows some La France, Meteor and Am. Beauties that are good in size and color. A. D.

Work of the Chrysanthemum Committees.

BOSTON, Nov. 2.—Grace E. French, exhibited by Geo. Hollis, South Weymouth, Mass. Creamy white, Ref., 87 points. Nov. 6.—Frank. Hardy (imported). exhibited by A. Herrington, Madison, N. J. White, Jap. Inc., 94 points. Pennsylvania, exhibited by Hugh Graham, Philadelphia, Pa. Sulphur yellow, Jap. Inc., 90 points. Kineo, exhibited by C. S. Goddard Estate, Woodfords, Me. Yellow shaded orange, Ref., 80 points. Ophis, same exhibitor, deep yellow, Jap., 84 points.

NEW YORK, Nov. 6.—Frank Hardy, exhibited by A. Herrington. White, Jap. Inc., 95 points. Pennsylvania, exhibited by Hugh Graham. Canary yellow, Jap. Inc. (Sport from Philadelphia), 90 points. Nov. 13.—Silver Wedding, exhibited by W. G. Gomersall, Fishkill, N. Y. Pure white, Jap. Ref., 76 points. Autumn Glory, exhibited by E. G. Hill & Co., Richmond, Ind. Shell pink, Jap. Ref., 87 points. No. 1, same exhibitor. Yellow, Jap. Inc., 67 points.

PHILADELPHIA, Nov. 13.—No. 2., E. G. Hill & Co. Deep yellow, Com. 87, Ex. 88 points. No. 3, E. G. Hill & Co. Pink, Ref., Com. 87, Ex. 86 points. Robert G. Carey, exhibited by Robert G. Carey, Chestnut Hill, Pa. Creamy white, Jap. Inc., Com. 90, Ex. 85 points.

CINCINNATI, Nov. 6.—Pennsylvania. Light yellow, Jap. Inc., 87 points. Nov. 15.—Mrs. E. N. Roth, exhibited by J. A. Peterson, Cincinnati, Ohio. Canary yellow, Jap. Inc., 81 points. Mrs. Samuel Higdon, same exhibitor. Blush white, Jap., 87 points. No. 1, exhibited by E. G. Hill & Co. White, Jap, 82 points. No. 2, same exhibitor. Yellow shaded bronze, Jap., 78 points. No. 3, same exhibitor. Light salmon pink, Jap., 87 points. Chas. W. Crouch, exhibited by Chas. W. Crouch, Knoxville, Tenn. Magenta pink, Jap. Ref., 85 points.

CHICAGO, Nov. 12.—Autumn Glory, exhibited by E. G. Hill & Co. Pink, Jap. Ref., 87 points. No. 111, same exhibitor. Yellow, Jap. Inc., 87 points. Black Hawk, same exhibitor. Intense crimson, Jap., 85 points. Iowa, exhibited by John Reinford, Milton, Iowa. White, Jap., 74 points. Frank Hardy, exhibited by A. Herrington. White, Jap. Inc., 93 points. Pennsylvania, exhibited by Hugh Graham. Yellow, Jap. Inc., 86 points. Bloom from Redondo Beach Floral Co., Redondo Beach, Cal., arrived in too poor condition for judging. ELMER D. SMITH, Sec'y.

Chrysanthemum Notes.

The Quaker City experts, acting under the fraternal wing of the Chrysanthemum Society of America, had three new varieties to deliberate over last Saturday, two of which were without either numbers or names from the celebrated Indiana chrysanthemum connoisseurs, E. G. Hill & Co. If they could only bring themselves to realize for a moment how unsatisfactory it is to discourse upon varieties with neither name nor number they would never offend again. The exhibitors of meritorious novelties are the losers by this procedure, for in chrysanthemums numberless tones among the yellows, the so-called pinks and the various shades of white are almost innumerable. The nearest your correspondent can approach to a just description of what was seen is from his own individual point of view. The yellow variety could with some degree of truthfulness be described as an exaggerated "dandelion" both in color and form, as it was certainly a reminder of that well-known weed. In general make-up it is reminiscent of W. H. Lincoln; the yellow color in the new variety, however, seemed to be very much more brilliant. The pinkish variety was after the style of Viviand-Morel, but whether it will prove to be superior to that well-known variety can only be proven by trial.

Robert G. Carey was again an exhibitor. This time he had a creamy white variety to show. It is gracefully globular in form, its curly incurved florets giving it a character, which at this writing its prototype cannot be recalled. Mr. Carey thought so well of it that he has named it "Robert G. Carey."

We frequently hear a little wail go up as to to the duties or the province of the Chrysanthemum Society of America. I would like to refer to it as the National Society, but as that title has already been adopted by the British society, I have to refer to it fuller than may appear necessary. The society in question occupies a position between the buyers of new chrysanthemums and the sellers thereof. The committees representing that society are perfectly willing, as it is explained to me, to examine all varieties presented, provided all the conditions have been complied with, which are, as near as I can remember, to the effect that six blooms of any given variety must be on hand for examination, and also an entrance fee of $2 should be forthcoming at the same time. Wide-awake commercial floricult-

ural men can see the benefits to be derived by this plan of action, and they are quite satisfied to "pony up," but there are a few people still left who do not seem to mind giving a committee the trouble of examining inferior seedlings to gratify their own personal vanity, and it must be distinctly understood that it shall be at no cost whatever to themselves. The present plan of posting a $2 entrance fee makes a probable exhibitor more critical of his own products, consequently committees' duties are correspondingly lessened. This is a selfish world, and the raiser of seedling chrysanthemums generally—even if 'mums are flowers—are not exempt from the feeling of *gain*, if the opportunity presents itself, legitimately many times, to be sure, and oftentimes *illegitimately*, let it be recorded.

PHIL A. DELPHIA.

Evidently a Misunderstanding.

In your number of November 13, page 328, you publish a communication from Mr. Lonsdale. I do not wish to take up your valuable space with any prolonged discussion, but feel it my duty to place myself in proper position before your readers.

In the first place I know nothing about the resolution passed at Providence to which Mr. Lonsdale refers. In sending flowers to Cincinnati, Boston, Chicago and New York, I requested the committee to telegraph the results. I received replies from Cincinnati and Boston by telegraph and from Chicago by mail. On last Tuesday a gentleman from New York told me what it scored there. I did not think that after paying entrance fee and going to the trouble of shipping flowers to the various committees, that there was to be any secrecy as to the results of their deliberations, until I telephoned to Mr. Lonsdale to ascertain the Philadelphia result. He refused to give it to me, saying they were bound by Mr. Grant's resolution, and that I would have to send to Mr. Smith in Michigan for it. I told him I thought it queer that I could get all the others except our own city. He in a very angry way told me that he wanted me to distinctly understand that I was the party who was being accommodated and would have to abide by the committee's rules.

Now, had I known of such a rule I would not have bothered Mr. Lonsdale, but at the same time I do not consider the accommodation, as he calls it, is all on my side. As I understand it, the committees are appointed to examine new varieties not only for the accommodation of the man showing a new variety, but particularly for the benefit of the trade at large, so as to keep growers from filling their houses with worthless stock. I am sorry Mr. Lonsdale takes a personal view of the matter, as I certainly have no objection personally to any member of the committee, in fact I do not know how the committee could be improved on, but, as I have to pay an entrance fee for the privilege of having my new variety examined, I certainly have the right to expect to hear the result without having to wait to see it published in the trade papers after all the shows are over.

HUGH GRAHAM.

ED. AM. FLORIST: In justice to the Chicago Chrysanthemum Committee, allow me to correct a quite natural mistake made by Mr. Graham as set forth in Mr. Lonsdale's letter in last issue. The Chicago committee, which is Messrs. Johnson, Stollery and Kimball, did not give out the points on Mr. Graham's seedling. I obtained the points from Mr. Elmer D. Smith, secretary, who was in Chicago at the time, and wired Mr. Graham. I presume the latter gentleman overlooked the fact that I was no longer a member of the committee when making the statement mentioned by Mr. Lonsdale.

W. N. RUDD.

Philadelphia.

SHOW IS NOT A FINANCIAL SUCCESS.—NEW CYPRIPEDIUM EDWIN LONSDALE.—BUSINESS TRIFLE IMPROVED.—STOCK IMPROVES IN QUALITY.—BOWLING CLUB TO HAVE A BENEFIT.—BUSINESS CHANGES.—THOS. CARTLEDGE UNDER THE WEATHER.

The show is over and the officers and friends of the society have every reason to congratulate themselves on the general excellence of the exhibits in all the departments. There was only one point in particular that might have been much improved upon and that was the box office, the receipts of which fell off about twenty-five percent from those of last season. It is hard to account for this state of affairs. There was only one stormy day and that was not very bad. The show seemed to be well advertised, the morning and evening papers being very generous with their notices, which in some instances were nicely illustrated with pen sketches of the hall and some prize winners. With all this the fact remains that the exhibition did not draw as it deserved to and the individual who has any theories to advance should bring them forward at once as now is the time to lay the plans for next year's show while the merits and demerits of the past one are still fresh in the mind.

We forgot to mention last week the new cypripedium Edwin Lonsdale, the first American seedling "cyp." ever raised and flowered. It is from the Roebling collection of Trenton, Mr. Roebling naming it after Mr. Lonsdale on account of his love for and interest in this aristocratic family. It is a beautiful flower and will be fully described in a future number.

Business has been better, although it yet lacks that snap and go that cleans out the ice boxes and keeps the telephone bells ringing calling up the growers for special lots of stock. With few exceptions the city stores are fully equipped with 'phones, and quite a number of the growers have found them advantageous, the rent being easily made in the time saved and sales made over it. The Evans nurseries at Rowlandville put one in last week and Wm. K. Harris, the bard, will no doubt be sending some of his poetic effusions over the phone which is to be in place in a few days. Wm. K. never lets his "Dear Friend" stand in the way of necessary improvements. His November cut of 25% will no doubt bring him many visitors.

The stock of flowers is fully equal to the demand, in fact a little more so, still there is no such state of affairs as your New York correspondent is wont to describe of the market of that city. A noted grower for that market stated recently while on a visit to this city, that if seventy-five per cent of the greenhouses in the vicinity of New York would burn up or blow up or somehow go out of existence, the rest could supply all the legitimate demand and make a decent living.

The quality of the stock is still improving, everything getting a trifle better as the cool weather increases. A few of the fancy grades of roses have advanced a trifle but for the most part prices are about the same as last week. The best Beauties command $3 per dozen. The select teas $4, with the exception of a few choice Carnots, which sell quite well at $8 per hundred. Good double violets are scarce at $1 per hundred; poor ones sell for 25 cents to 50 cents, according to grade and demand. Large single go for 25 to 40 cents.

Plenty of 'mums or "bums," as some rose growing gentry call them, are still to be had. The rose growers don't like the 'mums, but the fellow with a big decoration on hand says "they are just the thing for me and here's the money," and next season is likely to find the market full of them. Good flowers with three foot stems have brought $12.50 per hundred all the season, while quite a few extras have sold at $15 to $25 for the same quantity. There are quite a few to be cut yet and they should bring good prices.

Carnations are still $1 for the best average stock, with a trifle more for select grades. A number of the growers in this vicinity have found Boston to be a good market for their product, which relieves the strain here to a certain extent. S. S. Pennock in struggling with a box the other day said that the flowers inside must be very precious they were so hard to get at. He said that boxes were nearly always nailed up to the extreme, half the nails and half the size generally used would be ample to protect most shipments.

The Florists' Bowling Club are to have a benefit at the Walnut street theatre on December 15. It is in order now for every fellow to go and take his best girl along.

There has recently been a change in the business of the Floral Exchange, 614 Chestnut street. Mr. Joseph Morowitz has retired and Mr. Fuerstenberg, a partner, now assumes full control not only of the city store and business but of that of the nurseries at Edgely, Pa. They are making a specialty of the Meteor rose, forcing this season 10,000 plants, and it is the intention next season to increase the quantity up to 15,000. The flowers they are sending in are fine and many are shipped to outside points. Lilium Harrisii was first cut with them October 25.

Thos. Cartledge is under the weather and has by the advice of his physician given up business for awhile. His genial face is greatly missed. K.

Buffalo.

THE DEBUT OF SOCIETY BUDS HELPS THE STOREMEN.—FOOTBALL GAME DID NOT AROUSE MUCH DEMAND FOR FLOWERS.—VARIOUS CHANGES.—ALFRED LABIATA DIMMOCK AMONG THE VISITORS.—VISIT TO CONSERVATORY AND AQUARIUM OF MR. HALE.—EVOLUTION OF A GOLD FISH.

A week or two of sloppy weather through which business has pushed her welcome presence has prevailed here. We could not but think of the many societies holding their shows and our sympathy went out toward them. That best of all event for the florist, the entering into society of the sweet bud, has been of frequent occurence the past two weeks and has kept the store people busy. Roses and violets were used almost exclusively for these occasions, the former when in abundance. But for violets there was quite a scramble and if it were not for the enterprising Wm. Kastling procuring a large lot from the Hudson

territory I don't know what we should have done. His busy mart from 7 to 10 a. m. reminds one of the New York Cut Flower Exchange, only the region of distribution is wider and longer. I noticed a box addressed to Mr. Sanguine Scrcher, Dawson City, Alaska, possibly immortelles.

We have no horse show to help us out, and the football game between Williams and Cornell colleges, gotten up by our sassity people, did not arouse the demand that was quite expected. Violets for Williams, with a red carnation stuck into a white chrysanthemum, signified that your sympathies were with the boys from Ithaca. Some ribbon on a stick weat with rooters ahead of flowers. The game passed off without any fatal results. The Cornell full back got his bump of combativeness crushed in and their left tackle lost his vermiform nepenthese, and one of the Williams mopheads got his hair tangled up in a barb wire fence; they sacrlficed the hair and left the fence.

As some greenhouses are demolished others spring up in their places. Mr. Jansen, nephew of Mr. C. D. Christensen (retired), has built two useful houses on the Hager place. There is also a new firm started on Glenwood avenue, but the name and nationality of the owners I have yet to learn.

I was awakened a few mornings ago from my quiet studies by two gentlemen from the rural district who were very welcome. Mr. W. J. Palmer, Sr., never blows. If he tells you that he is picking two thousand roses a day you can bet it is nearer three thousand, so his society does not produce a feeling of unrest. Mr. Wise of Aurora, the other half of the delegation, reminds me of Abraham Lincoln at forty; tall, thin, angular, sarcastic and cute, ever ready to draw a simile or tell a story. Mr. W. J. P. wanted me to give him a game of bowls, but I had to refuse on principle. I never let sport interfere with the routine of business.

Mr. Alfred Labiata Dimmock was here this morning. It is pleasant to have a call from him for he knows what is going on on both sides of the Atlantic and does not protrude business beyond the limits of a pleasaat conversation, but he gets there just the same.

Last week I paid a long promised visit to the conservatory and aquarium of Mr. George Hale of Elmwood avenue. He is in the heart of a good residence district and has all he can do. While looking at his aquarium he pointed out a large gold fish, possibly a great grandmother, which has jumped out of the aquarium so many hundred of times that in its wiggling attempts at locomotion there has appeared on its lower surface a number of embryo feet. This is, indeed, a remarkable instance of evolution. W. S.

Chicago.

THANKSGIVING TRADE WILL BE GOOD.—SUPPLY ABOUT EQUAL TO DEMAND.—VERY LITTLE INCREASE IN PRICES.—MOREL 'MUMS OFF COLOR.

The indications for a lively Thanksgiving trade are very encouraglag, and the dealers feel that they will have all the business they can handle. Trade the past week has been very good, with supply and demand about equal, though extra grade stock was rather scarce.

There will not be much of an increase in prices for the holiday. Good Beauties will be held at $10 to $25 per hundred, teas $4 to $6, carnations, ordinary stock, $1.50 to $2, with fancies scaling a few points higher. For lily of the valley $4 to $5 is the price. There will be considerable Harrisii on the market, which will be much appreciated at so early a date. The unusual carliness is due to the growers giving their orders for the bulbs before the tariff bill took effect.

'Mums will be in good supply, especially in the larger sizes, the smaller sizes being nearly all gone. Viviand-Morel in most cases are very poor, the majority coming white and when pink, of a very pale color. In many cases this is due to tobacco smoke which is used as a remedy for greenfly, which are more or less plentiful this season.

As the date for the next regular meeting of the Florist Club falls on Thanksgivlag day, no attempt will be made to hold a meeting. The following regular meeting will be held December 9.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1898 will receive on request, a coupon for one five line want "adv." free, to be used at any time during the year.

SITUATION WANTED—By young man, several years' experience; reasonable terms to start. W. J., care American Florist.

SITUATION WANTED—By rose and carnation grower; first-class references, 2 years in last place. Address GROWER, care Am. Florist.

SITUATION WANTED—By lady florist, experienced in designing and dower work; references. Address ALBA, care Am. Florist.

SITUATION WANTED—By first-class, all-round man, 25 years' experience, single, reference first-class. Address. N G W, care Am. Florist.

SITUATION WANTED—As rose grower, foreman; can supply good Chicago references; age 29, single, German. Address METEOR, care Am. Florist.

SITUATION WANTED—By young German American, 10 years' experience in general greenhouse work; reference A1, sober and reliable. Address Z, care Am. Florist.

SITUATION WANTED—Under foreman in greenhouses, well up in all branches of the business; first-class references Address FLORIST, 9123 Erie Ave., Chicago.

SITUATION WANTED—As foreman or otherwise by young man well up in all branches of the business, 14 years' experience, good references, abstainer. Address P. O. Box 84, Knoxville, Tenn.

WANTED—An experienced fireman, sober and thoroughly reliable. Address PROBST BROS. FLORAL CO., Kansas City, Mo.

WANTED—Six plantsmen for palm and fern departments. Also two packers. State last employer. ROSE HILL NURSERIES, New Rochelle, N. Y.

WANTED—To rent or lease greenhouses with from 15,000 to 18 000 feet of glass and prospect of buying. M. RASMUSSEN, West Toledo, Ohio.

WANTED—A young man, single, to take charge of seven houses; must be good grower of roses, carnations, 'mums and violets; state lowest wages, including board and room at hotel; must be sober and good worker. A good steady place to the right man; references from last employer. NICHOLAS AMOS, Crestline, O.

TO LEASE—Small nursery near town, improvements and stock to be taken over by lessee; low rent and long term given. B. FLOSSMAN, Oakland, Cal.

FOR RENT—Eight greenhouses, all new full stocked, everything on the place that belongs to the business, all private trade; need $800 cash: the best chance for any man. Address FLORIST, Box 73, Lawrence Sta., N. Y.

FOR SALE Five greenhouses well stocked with carnations and violets; reason for selling poor health and alone; business A No. 1; will sell for a sacrifice, 7 acres of good land. Address MRS. P. ENGLISH, Oconomowoc, Wis.

FOR SALE—In Warren, R. I., 5 greenhouses, nice 6-room cottage, barn, sheds, shops, etc.; about 10 acres of good land; young orchard, shade trees and grapevines. Greenhouses and cottage heated with hot water. Windmill supplies water over the premises. Can be bought on easy terms Apply to O. H. NYE, Warren, R. I.

FOR SALE—Two greenhouses containing 3,500 feet of glass, hented by hot water under pressure; 4,000 carnation plants and other stock; good trade for plants and floral work. Good chance for live man; only those meaning business need apply. For full particulars address L, care Henry F. Michell, 1018 Market St., Philadelphia.

FOR SALE.

4 1-20 acres land in the city of Charlottesville, Va., seat of the State University. Ideal place for hot houses, violet culture, truck, etc. Educational advantages unsurpassed. Highest grade free schools and students from Virginia attend university free. Can save interest on the price of property in educational advantages. Climate delightful.

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Greenhouses in one of the best cities in Wisconsin. A good investment and a money maker for a hustler. Owner must retire on account of poor health

For particulars write ELLIS & POLLWORTH, Milwaukee, Wis.

Wanted.

A situation as assistant in greenhouses; age 28 years; life experience. Extract from recent testimonial: "In character he has proven himself universally sober, honest and industrious, is in fact a man to be highly recommended in every particular." Address

EXPERIENCE, care Am. Florist.

For Sale.

50,000 2¼-inch **POTS**, at $2.50 per 1000. Cash.

Address Von BOCKELMANN, White Hall, Ill.

Cheap! Cheap! Cheap!

$350 worth of CUTS for Catalog, in perfect order, for only $50 cash.

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August Rölker & Sons,

Florists' *and* Garden SUPPLIES.

Importers of Seeds, Bulbs, etc.

New Fall List mailed free to all trade applicants.

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PALMS, ORCHIDS, FERNS

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SIEBRECHT & SON, New Rochelle, N. Y.

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In the Best Market Varieties. Only a few of each now left in stock.

10–12 in. diameter, $30.00 per hundred. 12–14 in. diameter, $42.50 per hundred. 13–15 in. diameter, $50.00 per hundred. Also Spiræa Japonica, $3.50 per hundred. Spiræa Multiflora Compacta, $6.00 per hundred. Spiræa astilboides floribunda, $6.00 per hundred.

Branch of the Horticultural Co., Boskoop, Holland.

L. C. BOBBINK, Rutherford, N. J.



A. L. Vaughan. Chas. W. McKellar. E. F. Winterson.

Vaughan, McKellar & Winterson,
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Manufacturers of **Wire Work.** Write for quotations.

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CUT FLOWERS.
All Florists' Supplies.
19 & 21 RANDOLPH STREET,
Fine Stock a Specialty. **CHICAGO.**

Wholesale Flower Markets

CHICAGO, Nov. 19.

Roses, Beauties, long	15.00@25.00
" " medium	8.00@15.00
" " short	4.00@ 8.00
" Brides, Bridesmaid	4.00@ 6.00
" Meteors, Testout	4.00@ 6.00
" Kaiserin, Carnot	4.00@ 7.00
" Niphetos, Perle, Gontier	3.00@ 5.00
Carnations	1.00@ 1.50
" fancy	2.00@ 3.00
Violets	1.25@ 1.75
Narcissus, Romans	3.00@ 4.00
Harrisii	16.00
Valley	4.00@ 5.00
Chrysanthemums	6.00@25.00
Adiantum	.50@ .75
Smilax	10.00@12.00
Asparagus	50.00

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The records of the Chicago Flower Show confirm our claims for being **Headquarters for FANCY CHRYSANTHEMUMS;** our growers captured the **First Prizes** in all the classes in which they exhibited. If your trade demands something better than your competitors have, order from us and you shall not be disappointed.

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Prompt Attention to all Orders.

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HIGH GRADE **CUT FLOWERS,**
PACKED RIGHT,
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" Brides, Bridesmaid, Meteor	.50@ 3.00
" in 1,000 lots per 1,000	10.00@12.50
Carnations	.35@ 1.00
Valley	2.00@ 3.00
Violets	.75@ 1.50
Harrisii	8.00@12.00
Chrysanthemums	2.00@12.00
Smilax	6.00@10.00
Asparagus	35.00@40.00

BOSTON, Nov. 17.

Roses, Beauties	6.00@25.00
" Gontier, Perle	1.00@ 2.00
" Bride, Bridesmaid, Meteor	2.00@ 5.00
Carnations	.75@ 1.50
Valley	2.00@ 4.00
Chrysanthemums	4.00@16.00
Violets	.50@ 1.00
Smilax	10.00@12.00
Asparagus	50.00

PHILADELPHIA, Nov. 17.

Roses, Beauties, select	20.00@25.00
" " medium	12.00@16.00
" short	6.00@ 8.00
" Brides, Maids	2.00@ 4.00
" Meteors, La France	2.00@ 4.00
" Carnots	8.00
Carnations	1.00@ 1.50
Valley	3.00@ 4.00
Chrysanthemums fancy	15.00@25.00
" ordinary	8.00@12.50
Violets, double	.25@ 1.00
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BEAUTIES AND VIOLETS, SPECIALTIES.

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Strings 10 to 12 feet long,

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WE GIVE above photo view of field of pumpkins grown for D. Cummings & Co., of Conneaut, Ohio, taken in October last.

VISITING New York and Philadelphia: J. H. Beagley, Sibley, Ill.

CONTRACT PRICES for onion and other seeds are generally stiffer than last year, though prices differ widely.

ONION SET PRICES in the West are now about $1.10 to $1.35 for yellows, $1.60 to $1.85 for whites, with reds scarce and unsettled.

NEW YORK.—J. M. Kimberlin, Santa Clara, Cal., is here on his regular eastern trip. Charles Parker of Santa Clara is also in town.

VISITED CHICAGO: E. Schaettel, with Vilmoriv-Andrieux & Co., Paris; L. C. Routzahn, manager McClure Seed Co., Arroyo Grande, Calif.; R. H. Shumway, Henry A. Salzer.

Hartford, Conn.

The annual chrysanthemum show of the Connecticut Hortlcultural Society, which was held on the 9th, 10th and 11th insts. at Putnam Phalanx Armory in this city, was in all respects a notable one and an improvement generally over any of its predecessors. The perfection and uniform quality of the exhibits in the cut-flower section were especially noticeable.

A. N. Pierson was the largest exhibitor of cut blooms, securing first prize in many classes. Stephen Delbar was very successful and Geo. S. Osborne, a new contributor, was first on single specimen bloom. W. B. May and John Coombs were also well represented.

On plants Thos. Dryden, a new comer, captured first on many classes, James Smith being his closest competitor and beating him in some cases. It is worthy of remark that Mr. Dryden's plants were grown out of doors with no protection other than a cold frame during the last few weeks. G. Minge took the first prize in class for private gardeners only. A.N. Pierson and John Coombs showed fine collections of roses and carnations.

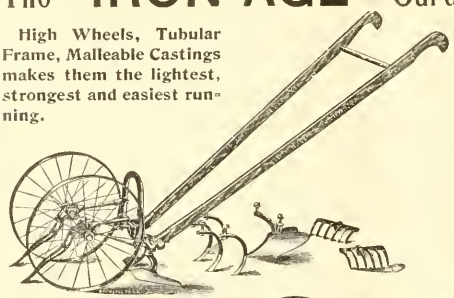
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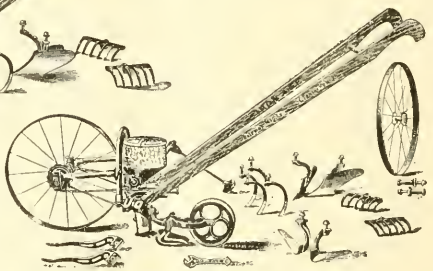
High Wheels, Tubular Frame, Malleable Castings makes them the lightest, strongest and easiest running.

Our "Iron Age" Double Wheel Hoe can be converted into a practical Single Wheel Hoe, and also a Seed Drill in a moment's time. When using the combined machine as a Wheel Hoe the Seed Drill attachment is not in use. Saves wear.



The "Iron Age" Double Wheel Hoe.

Send for the beautiful "Iron Age" booklet for 1898. It's full of news.



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SEED MERCHANTS,
WHITE CLOVER.

DOMESTIC AND FOREIGN
GRASS SEEDS
FOR
Parks, Tennis Courts, Lawns, &c.

In fancy 1 and 2 pound packages and bulk.
SPECIAL PRICES TO THE TRADE.
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PALM Seed.
FRESH ON HAND

	per 100	1000	3000
COCOS WEDDELIANA	$1.25	$10.00	$27.50
MUSA ENSETE	1.25	10.00	27.50

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W. & D's. "SURE CROP"
MUSHROOM SPAWN
Hyacinths, Tulips, Narcissus, &c. &c.
SPECIAL PRICES TO CLEAR.
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FAXON'S "WHITE HOUSE" PANSIES.
The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.
In Trade Packets at $1.00 each.
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Correspondence solicited.

BARGAINS IN BULBS

	Per 1000
Roman Hyacinths, 11-12 ctm.	$12.00
" " 12-15 ctm.	17.50
Single Dutch Bedding Hyacinths, in sept. colors.	20.00
" " Forcing " "	23.00
" " Named " In sorts, 2nd size	30.00
" " " " " 1st size,	45.00
" Tulip Jacht van Delft	4.50
" " La Reine	4.00
" " Cardinal's Hat	4.00
" " Duchess de Parma	4.00
Lilium Longiflorum, Japan, 6-8 inch.	18.00
" " " 7-9 inch.	35.00
Narcissus Trumpet Von Sion	9.00
" " Princeps	7.00
" Double Von Sion, 2nd size	10.00
Single Tulips, finest mixed.	3.50
Double Tulips, finest mixed	4.50

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Philadelphia, Pa.

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Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agate; Inch, $1.00; Column, $10.00.
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Thursday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

Boston.

The general complaining about dull business has not abated and there is nothing yet in sight excepting the progress of the season as indicated on the calendar to give promise of any relief from the stagnation. On last Saturday anything blue or crimson sold at sight, thanks to the football game. Since that time violets have been in rather limited supply but the price has not advanced materially yet. Chrysanthemums already show signs of weakening in quality as well as influence and the responsibility for dull business will soon have to be placed somewhere else.

N. F. McCarthy & Co. sold a fine lot of palms, bulbs, budded roses and miscellaneous stock at auction on Saturday. Auction prices are low this season.

Thos. J. Grey & Co. will remove about December 1 to 32 South Market street.

W. W. Rawson & Co's formal opening occurs this week.

Visiting Boston. J. A. Valentine, of Park Floral Co., Denver, Colo.

Wholesale Flower Markets

CINCINNATI, Nov. 18.

Roses, Beauty select	25.00@30.00
" " medium	15.00@24.00
" " short	6.00@10.00
" Brides, Bridesmaids	2.00@ 4.00
" Meteors	3.00@ 4.00
" Morgans	2.00@ 3.00
" Perles	2.00@ 3.00
Carnations	1.00
" fancy	1.50
Valley	4.00
Narcissus, Romans	3.00@ 4.00
Violets	.50@ 1.00
Chrysanthemums extra	10.00@15.00
" medium	5.00@ 8.00
Cattleyas	50.00
Smilax	12.50@15.00
Adiantums	1.00
Asparagus	50.00

ST. LOUIS, Nov. 18.

Roses Beauties	10.00@20.00
" short	5.00@ 8.00
" Meteors Kaiserin	2.00@ 4.00
" Brides, Maids	2.00@ 4.00
" Mermets, La France	2.00@ 4.00
" Perles, Wootton	1.00@ 3.00
Carnations	1.00@ 2.00
Valley	4.00
Violets single	.75
" California	1.00
Chrysanthemums fancy	10.00@25.00
" common	6.00@ 8.00
Smilax	12.50@15.00
Adiantum	1.00
Asparagus	35.00@50.00

BUFFALO, Nov. 19.

Roses, Beauties	8.00@25.00
" Brides, Bridesmaids	3.00@ 6.00
" Meteors, Mermets	3.00@ 5.00
" Niphetos, Perle	2.00@ 4.00
" Kaiserin	4.00@ 6.00
Carnations	.75@ 2.00
Valley	4.00
Violets	.75@ 1.00
Chrysanthemums	5.00@20.00
Smilax	12.50@15.00
Adiantum	.75@ 1.25
Asparagus	.50@ .75

MILWAUKEE, Nov. 18.

Roses, Beauty, extra	20.00@25.00
" " medium	8.00@12.00
" " short	2.00@ 6.00
" Brides, Bridesmaids	1.00@ 4.00
" Meteors, Perles	1.00@ 4.00
Carnations	.50@ .75
Violets	1.00
Mignonette	1.50
Valley	5.00
Chrysanthemums	2.00@12.50
Smilax	15.00
Adiantum	1.00
Asparagus	75.00

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.
A complete line of Wire Designs.

MOUND CITY CUT FLOWER CO.
Wholesale Florists.
CONSIGNMENTS SOLICITED
Special attention given to shipping orders
1322 Pine St, ST. LOUIS, MO.

H. L. SUNDERBRUCH CO.
WHOLESALE
COMMISSION FLORISTS,
4th and Walnut Streets,
Consignments Solicited. CINCINNATI, O.
Special attention given to shipping orders.

THE COLORADO FLORISTS' EXCHANGE CO.
(Incorporated. Paid up Capital $2000.00.)
Cut Flowers AND Florists' Supplies
WHOLESALE ONLY.
1709 Curtis Street, DENVER, COLO.
The dry climate of Colorado enables our growers to grow the best Carnations on earth.
We handle 75 per cent of the Carnations grown in Colo.

Place your Order for
ROSES, CARNATIONS,
'MUMS,
SMILAX AND FERNS,
for Thanksgiving, early with
GEO. A. KUHL, Pekin, Ill.

M. RICE & CO.
Importers and Manufacturers of
FLORISTS' SUPPLIES
25 N. FOURTH STREET,
PHILADELPHIA, PA.
FALL CATALOGUE NOW READY.

John Conley & Son,
Manufacturers of
TIN FOIL
2 AND 4 DOMINICK STREET,
New York.

REED & KELLER,
Florists' Supplies,
122 W. 25th St., NEW YORK CITY.

IT'S A MISTAKE
TO THINK
"ANY OLD THING"
will answer for a Refrigerator to keep flowers in
Those up-to-date are made by the
Chocolate Cooler Co., Grand Rapids, Mich.
SEND FOR CATALOGUE.

BRILLIANT GREEN AND BRONZE
GALAX LEAVES,
For Decorating and all Florists' Designs.
CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.

HOLTON & HUNKEL CO.
Successors to the Wisconsin Flower Exchange,
WHOLESALE COMMISSION JOBBERS
In Fresh Cut Flowers, Florists' Supplies,
Xmas Holly and Bouquet Green. . . .
MANUFACTURERS OF WIRE DESIGNS.
A trial will convince you of the superiority of our goods.
PHONE MAIN 874.
457 Milwaukee Street, - - MILWAUKEE, WIS.
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SEASONABLE
FLORISTS' SUPPLIES
Immortelles and Moss Wreaths. Cycas and Calax Leaves. Fresh Cape Flowers.
Baskets, Jardinieres, Stands, Fern Dishes, also all Funeral Requisites, Doves, Inscriptions, Metal Designs, Dried and Artificial Flowers, and our Special Patent Ribbon Letters.
Ours is the largest Sheef manufactory in the country. We give extra quality, extra weight.
Send for Catalogue. WHOLESALE ONLY.
H. BAYERSDORFER & CO.
56 N. Fourth St., PHILADELPHIA, PA.

To Exchange.
500 Field-grown McGOWAN CARNATION Plants in bud. Exchange for Swainsona, Palms, or other good stock Price per 100 $2.00.
J. J. LAWRENCE, St. Marys, Ohio.

Boston Florist Letter Co.


This wooden box nicely stained and varnished, 18x30 x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1 1-2 or 2 inch size, per 100, $2.00
Script Letters, $4.00
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.
N. F. McCARTHY, Treas. & Manager.
FACTORY, CHELSEA. BOSTON, MASS. OFFICE, 32 HAWLEY ST.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

St. Louis.

COLD WEATHER ARRIVES.—SOME IMPROVEMENT IN BUSINESS.—STOCK IN MARKET.—HARRY BAYERSDORFER CALLED HOME BY DEATH IN FAMILY.—PERSONAL ITEMS.—BOWLING.

During the past week quite a change has taken place in the weather, the glass going down to freezing point. It had the effect of shortening up the large supply that has been coming in to this market and it has also caused some improvement in business.

Chrysanthemums are still the leading flower and will be until after Thanksgiving day. Beauties are also in good demand and bring from $1 to $2.50 per dozen. The best Meteors, Brides, Kaiserins, Carnots and fine 'Maids are selling for $4 and from that down to $1 per hundred. Carnations are not overplentiful and the best are bringing $2, second is go for $1 per hundred. Good red, Scotts and Daybreak are in best of demand just now. Violets are coming in better. Californias are selling at $1, small single 35 cents, no double in this market just now. Some very fine valley can be had at $4. Smilax is selling a little better at $12.50 and $15 per 100 strings.

Mr. Harry Bayersdorfer, of Philadelphia, was in the city last week, his first visit in seven years; but on his arrival he received the sad news by wire that his brother-in-law had died, and he returned home the same night without calling on the trade.

Mrs. Wm. Ellison, of Ellison & Tesson, left for Chicago last week to attend the flower show in that city. Mrs. E. will also visit Philadelphia, New York and Boston before returning home.

Mr. Fred. Weber was taken suddenly sick Sunday night and was quite ill for two days, but is now recovering and expects to be out in a few days, especially by next Monday, to be in time for the bowling.

The Bowling Club rolled three games last Monday night at the old alleys at Compton and Park avenues, and will continue rolling there until the members are notified by the secretary. Kunz was high man in the three games, rolling 594; Helwig second, 554; and Kuehn third, 482. The high single game was by Kunz, 235; and Helwig second, 231. The attendance was slim as some of the boys were tired out working at the chrysanthemum show, but next Monday we will be out in full force and expect to roll the games of their lives, so they say.

J. J. B.

Ivory Chrysanthemum.

Mr. E. D. Ellsworth, foreman for Mr. J. N. Kidd, St. Joseph, Mo., sends us some excellent blooms of Ivory which he advises us were grown four blooms to a plant and in four inches of soil. These sold at $3 a dozen in preference to larger flowers of other varieties. He says that some doubt has been expressed as to whether he had the true Ivory. The flowers sent were undoubtedly that variety, which not only holds its own, but seems to increase in popularity with flower buyers.

Rooted Cuttings of the

New Geranium Mme. BRUANT

I am able to furnish this wonderful and distinct variety now by the hundred and thousand. No florist can be without this variety, being certainly the finest plant novelty of the year. A large, well rooted stock, ready now. Shipped to any part of the United States by mail or express PREPAID, 75 cts per dozen, $3.00 per 100; $25.00 per 1000. Cash with order. Order at once. No better stock to be had. Address

FRED. SCHNEIDER, 751 Crawford Rd., Cleveland, O.



HARDY FERNS

WARRANTED FIRST QUALITY.

SPECIAL ATTENTION PAID TO SUPPLYING WHOLESALE DEALERS.

Write for Prices.

—ALSO DEALER IN—

BOUQUET GREEN, SPHAGNUM MOSS, CHRISTMAS TREES,

Etc., Etc., Etc.

L. B. BRAGUE, - Hinsdale, Mass.

Oldest, Largest, and Most Reliable Dealer in the United States.

8 GOOD REASONS For Buying CHRISTMAS Decorations OF BARNARD.

BECAUSE

We have the right stock at the right price.

* * *

Our GREEN is the best and goes farthest.

* * *

We know what you want in WREATHING and make it to suit you.

* * *

Our HOLLY *IS* choice, the finest the season affords.

* * *

MISTLETOE is full of berries, the only kind that sells.

* * *

There is no chance of disappointment, our stock is complete.

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Special facilities insure prompt service.

* * *

If you let us figure it will save you money.

W. W. BARNARD & CO.

Headquarters for Evergreens, etc.,

186 East Kinzie St., CHICAGO.

Mention American Florist

OUR TRADE DIRECTORY

PLEASE send us your business card if you have changed your address or firm name since our last book was issued. . . . . .

AMERICAN FLORIST CO.

322 Dearborn Street, CHICAGO.

CUT CARNATIONS.

Up to Nov. 24 we will book orders for Thanksgiving or before, for

$2.00 Per 100,

in pink, light pink and white.

Also **SMILAX,**

heavy 6 foot strings, 15c. each.

THE MORRIS FLORAL CO.,

MORRIS, ILL.

ROSES.

FIELD-GROWN, OWN ROOTS.

No. 1, two to four ft., cut back to two ft.

Marechal Niel, Yellow Rambler, Hybrid Perpetuals, Mosses, Hardy Climbers, Madame Plantier, and Wichuraiana.

All on own roots except Marechal Niel, which are grafted on non sprouting roots. These plants are very strong and well shaped. Prices on application. ADDRESS

W. F. HEIKES, Mgr., Huntsville, Ala.

E. G. HILL & CO.

Wholesale Florists,

...RICHMOND, IND...

Cut Smilax

15 cts. PER STRING.

RED PRIMROSES, 3-inch pots, $4.00 per hundred.

THE NATIONAL PLANT CO., Dayton, O.

400 POUNDS

ARAUCARIA IMBRICATA.

Very fine. New crop seeds.

50 LBS. $30.00; 100 LBS. $50.00.

LETELLIER & SON, Caen, France.

Established 1853.

THOSE **RED** POTS.

"STANDARD SIZES"

"BULB PANS AND AZALEA POTS."

Well Burnt Solid Pots. Prices low. Write us.

DETROIT FLOWER POT MFY.

H. Balsley, Rep. 490 Howard St., DETROIT, MICH.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

PALMS CHEAP

To make room, I will sell for cash **10,000 Latania borbonica** at **$10** per 100. Less than 100 15c. Plants strong, not drawn, and are ready for 5-inch pots.
2000 Areca lutescens, 4-in. $10 a 100.
2000 Pandanus utilis, 4-in. 8c; 3-in. 5c. All first-class.

The E. HIPPARD CO.
YOUNGSTOWN, O.

PALMS
SEND FOR SIZES AND PRICES
EDWIN LONSDALE
CHESTNUT HILL. = PHILA. PA.

ROBERT CRAIG,
Roses, Palms,
and Novelties in Decorative Plants,
Market & 49th St., PHILADELPHIA, PA.

FERNS.

We make a Specialty of small Ferns for the Fall trade.
Write for special prices on large quantities. Order early.

JOHN SCOTT,
Keap Street Greenhouses, BROOKLYN, N. Y.

We are now Booking Orders for that Peerless New Yellow DAHLIA

Clifford W. Bruton.

It is an early and profuse bloomer, while the flowers are of immense size and grow on very long stems. Address

W. P. PEACOCK, ATCO, N. J.

	Per 100
SMILAX—Strong 1 year	$1.50 and $2.50
CLEMATIS—Leading kinds for fall	
PÆONIAS—Herbaceous, choice asst.	8.00
NARCISSUS—Double and single Poets	.75
RED JACKET COOSEBERRIES—Very low prices.	
DOWNING COOSEBERRIES—1 and 2 year.	
DAISIES—Snowflake and Snowdrift	2.00
H. P. ROSES—In assortment	10.00

F. A. BALLER, Bloomington, Ill.

PANDANUS VEITCHII

Clean plants in good condition.
7-inch pots, $1.50 each; $18.00 per dozen.
Also a few fine 8-in. at $2.00, 9-in. at $3.00, 10-in. at $4.00 each.

JOHN WELSH YOUNG,
.... GERMANTOWN, PA.

INDIAN **PURE BONE FLOUR.** BRANDS.
Ammonia..... 4.50 per cent.
Bone Phosphate..... 50.00 per cent.
POSITIVELY NO ACID.
Send for samples, price, references.
CEO. S. BARTLETT, Successor to 1255-57 W. 6th St. Cincinnati, O.
CINCINNATI DESICCATING CO.

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Bouquet Green.

Owing to recent low purchases we are in position to supply this article at a most advantageous price. Don't buy until you write or wire for our latest quotations.

EVERGREEN WREATHING

Best Medium Grade.
Per 100 yds. $3; per 1000 yds. $25.
SPECIAL ON QUANTITIES.

XXX HOLLY

Everybody wants our "GET THERE" Holly.

Present indications are that our crop of this will be extra choice this year. **Book** your order **now** and get in on the ground floor. Every case re inspected.

Per Case, $4.00 to $5.00.

If you want the smooth-leaved Southern Holly, we can supply it at $3.50 a case in Chicago.

HOLLY WREATHS.

Extra heavy, 12-inch, $2.00 per doz; $12.50 per 100.



ON HAND

A choice stock of our

"INTERNATIONAL" BRAND

LILY OF THE VALLEY

PER 100..... $1.35
PER 1000..... 10.00
PER CASE OF 2,500..... 24.00

TO ARRIVE SOON....

Our other brands of this stock, viz:

"LONDON MARKET."

The finest pips in existence for early forcing. Per 100 $1.65, per 1000 $13.75, per case of 2,500 $33.75.

"PREMIUM."

Equal to "London Market," for late forcing. Per 100 $1.50, per 1000 $12.25, per case of 2,500 $30.00.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.

What Progressive and Successful Florists say of my

TEMPERING APPARATUS.

ERNST ASMUS, West Hoboken, N. J., after four years use, writes: "It is very satisfactory..... It has been a great benefit to my stock, as well as improving the quality of my blooms."
THORNE & CO., Flushing, L. I., write: "It works to our entire satisfaction, and is so simple, working in connection with the greenhouse hot water heating plant."
SALTER BROS., Rochester, N. Y., write: "The only fault we found was, it got too hot; but after a little, we got it regulated."

HENRY W. GIBBONS, 134 LIBERTY STREET, NEW YORK.

HERR'S PANSIES ARE THE BEST.

Fine plants, 75c per 100; $5.00 per 1000.

CARNATIONS.

My experiences with the old and the new will be ready Nov. 15, and mailed for the asking.

ALBERT M. HERR, Lancaster, Pa.

PANSIES. 500,000 NOW READY.

THE JENNINGS STRAIN. FIRST-CLASS IN EVERY RESPECT, and the LEADING STRAIN TO DATE.

BUFFALO, N. Y., June 8th, 1897.
MR. E. B. JENNINGS. Dear Sir:—The Pansy Seed supplied by you last August produced the finest lot of flowers I have ever seen. They were uniformly first-class. Send me one ounce of your best mixed as soon as ready. Respectfully, WM. SCOTT.

100 by mail 75c; 1000 by express $4; 5000 $18. Seed of the above strains $1 per pkt.; $6 per oz.; $3 per ½ oz.

CARNATIONS—Fine, stocky, field-grown plants, leading sorts, $5.00 per 100.
Cash with order. **E. B. JENNINGS,** Lock Box 254, Southport, Conn.
Grower of the finest Pansies.

PANSIES,

Strain up to the finest in color and size. Plants excellent stocky field-grown, **60,000.** Any quantity, 40c per 100 by express 60c by mail. Our own best Seed, 1000 for 20c; 1 oz. $4.50.

GERANIUMS, 40 vars; 50,000 Cuttings, best new bedders. **Coleus, Begonias, Petunias, Salvias and Verbenas are specialties.**

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FOR SALE.

A FINE COLLECTION OF

ESTABLISHED CACTUS PLANTS,

about 800, costing over $600; can be bought for $200.

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PANSIES.

ROEMER'S SUPERB PRIZE PANSIES.

PLANTS, strong and bushy, 65 cts. per 100, by mail. By express..... $2.00 per 500. By express..... $4.00 per 1000. Cash with order.

PETER BROWN, Lancaster, Pa.

Mention American Florist.

Pansies Worth Raising.

GOOD PLANTS, $2.50 per 1000, or $1.50 per 500.
LARGE PLANTS, $4.00 per 1000, or $2.50 per 500.
BLOOMING PLANTS, $1.50 per 100.
SEED, as usual. **CASH WITH ORDER.**

C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

Mention American Florist.

PANSIES

Strong plants from seed of my own growing, from the best strains to date. $4.00 per 1000; 60 cts. per 100 by mail.

W. J. ENGLE, Box 211, DAYTON, O.

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New York.

LITTLE BENEFIT TO BUSINESS FROM THE HORSE SHOW.—VIOLETS AND VALLEY FIND A BETTER MARKET.—ROSES AND CHRYSANTHEMUMS STILL LOW.—TWO VICTIMS OF APPENDICITIS—MIKE HART'S WIT.

It was expected that the Horse Show which is on this week would prove a benefit to the flower trade and stir up some life among the high-class buyers, but the results have not been as anticipated and business is still in a most unsatisfactory condition. At the end of last week violets took a moderate jump but not by any means the impetus felt on former occasions, $1 per hundred for good and $1.50 for extra quality being the average price quoted. This little spurt is not alone owing to the demand, for it is evident from the receipts that crops are off for the present and there are not nearly as many of them on the market at present as was expected.

Roses continue very low for the season, $10 to $12.50 per thousand being selling price for the bulk of those that are received and higher rates being obtainable only on very small lots of selected specimens. Lily of the valley is selling more evenly than for some time past, and bringing $2 to $3 per hundred with fair regularity. Chrysanthemums move along at very low figures and no longer create any special interest or curiosity. The great bulk of them must be sold to peddlers and consequently at peddlers' prices.

Appendicitis seems to be epidemic in the floral profession. President Henshaw of the New York Club has just got out of St. Vincent's Hospital where he has been confined for ten days with that disease, and Chas. Erich of Siebrecht & Sons, has just been admitted to St. Mark's Hospital afflicted likewise.

The Long Island News Company is about to establish flower stands in the railroad stations of the Long Island R. R. Co.

Overhead in Mike Hart's: Customer (patronizingly) "Mr. Hart, I think you get as good chrysanthemums as anybody in the city."

Mr. Hart (showing dimples): "You'll think I do when I see what I'm charging you for them."

Visiting New York: Ben. Elliott, Pittsburgh, Pa., and A. J. Valentine, of Park Floral Co., Denver, Colo.

F. A. Rolker retired from business on Tuesday, Nov. 16.

SPRINGFIELD, MASS.—All the plants, flowers and personal property in the greenhouses of C. F. Fairfield were sold at mortgagee's sale on Wednesday, November 10. It was bought by A. B. Maynard, the mortgagee, for $900. The real estate is understood to be heavily encumbered with taxes and interests overdue. It is not known whether the business will be continued or not.

For MILDEW on ROSES

CARNATION RUST, FRUITS AND VEGETABLES,

USE FOSTITE; 5 lbs. 50 cts.; 25 lbs. $2.00.

C. H. JOOSTEN, Importer of Bulbs, Plants, Seeds.
193 Greenwich St., NEW YORK.

STOCKY, FIELD-GROWN **CARNATIONS.**

New and standard vars., $5.00 per 100 and upward.
GEO. HANCOCK & SON, Grand Haven, Mich.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

CHRYSANTHEMUM FRANK HARDY. THE SENSATION OF THE SEASON

Certificated by the committees of the Chrysanthemum Society of America at New York, Chicago, Boston and Philadelphia.

☞ First prize among whites wherever exhibited ☜ The best mid-season white to date and indispensable to every grower whether for exhibition or the cut flower trade.

Plants ready March 1st and orders filled in rotation.

Price, per plant, 50c.; per dozen, $3; per 100, $20; per 1000, $150. 25 at 100 rate; 250 at 1000 rate.

A. HERRINGTON,
FLORHAM FARMS, - - MADISON, NEW JERSEY

"WHY NOT" buy field-grown 'Mum stock plants when they cost no more than those which have been forced almost to death in the greenhouse. All the best cut flower varieties, such as **Modesto, Bonnaffon, Golden Wedding, Marion Henderson, Mayflower, Queen, Niveus, Mrs. Robinson, Murdock, etc., at 5c. each; $4.00 per 100.**

A. RASMUSSEN, New Albany, Ind.

CARNATIONS.

FIELD GROWN PLANTS.

SILVER SPRAY,
PORTIA,
NANCY HANKS.
ROSE QUEEN,
WM. SCOTT.

$3.00 per 100; $25.00 per 1000. Free from trost.

REINBERG BROS.,
51 Wabash Avenue, CHICAGO.

PRIMULA CHINENSIS, 2-inch pots.....$2.50 per 100, $20.00 per 1000
PRIMULA, transplanted seedlings, from flats $1.50 per 100.
FERNS, 3-inch pots.....$5.00 per 100
CARNATIONS. Field grown Lizzie McGowan and Scott. Write for prices.
VIOLETS. Marie Louise, strong field grown. Write for prices.
HYDRANGEA HORTENSIS, rooted cuttings.....$2 00 per 100
SWAINSONA.....$2.00 per 100
ABUTILON Souvenir de Bonn and Golden Fleece...$3 00 per 100
GERANIUMS. Rooted cuttings.... .... $1.50 per 100, $12.00 per 1000

C. LENGENFELDER.
Lincoln and Berteau Avenues, CHICAGO.
Please mention American Florist.

SPECIALTIES

IN BEST VARIETIES.
ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

CARNATIONS

Free from Disease. Field-grown.
ROSE QUEEN, SCOTT, IVORY, PIERSON.
Write for prices.
VIOLETS. 1,000 LADY CAMPBELL, field-grown, at a bargain.
CRABB & HUNTER, Grand Rapids, Mich.
Mention American Florist.

CARNATIONS

After the early Chrysanthemums are thrown out many florists plant Carnations. We have a few thousand plants heeled in in the cold house suitable for this purpose. They are first-class plants, the last of 94,000 set out in the spring.

800 Grace Wilder,	200 Scotts,
2000 Silver Spray,	600 Eriesconrt,
1200 Albertini,	300 Rosalind,
800 Dean Hole,	100 Armazindy,
1500 Portia,	100 Mrs. Carnegie.

$4.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

FIELD-GROWN
CARNATIONS

We have the following named varieties heeled in on the benches of a greenhouse, never touched by frost:

	Per 100
MRS. GEO. M. BRADT	$10.00
MRS. C. H. DUHME	8.00
MARY WOOD, white, and DAZZLE SCARLET	5.00
METEOR, ALBERTINI, BRIDESMAID, GOLDFINCH and some SCOTT	4.00

F. DORNER & SONS CO.,
LA FAYETTE, IND.

H. WEBER & SONS,
CARNATIONS,
OAKLAND, MD.
Always mention American Florist.

The Cottage Gardens
QUEENS. L. I.
Specialties in CARNATIONS, CHRYSANTHEMUMS, CANNAS, GERANIUMS, DAHLIAS.
SEND FOR OUR PRICE LIST

MORELLO

Field-grown, at $1.50 per dozen; $10.00 per hundred.

HOPP & LEMKE, Paul P. O., Mich.

BAKER'S
NEW CARNATIONS.

Grown and tested five years.
ONEIDA—Pure pink, healthy; no rust; continuous producer; largest size bloom.
RED JACKET—Bright red, fine stem and calyx; continuous cropper. $10.00 per 100.
Orders booked now to be filled in rotation as fast as rooted.
C. F. BAKER, Utica, N. Y.

FERNS, MOSS, GALAX, LEUCOTHOE.

ALL HARDY GREENS FOR

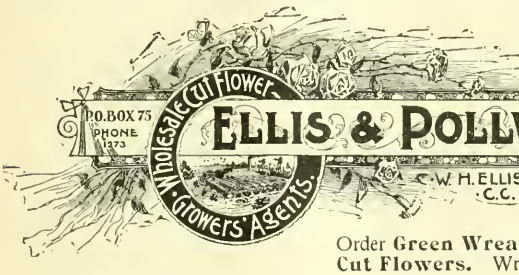
FLORISTS' USE.

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Business has been fair with occasional spurts. The last few days have been wet and disagreeable. Stock generally speaking is showing up better, with prices about the same as the week previous. Chrysanthemums are in full force yet and crowding the others from the field to some extent. Violets are more plentiful and much better in quality.

The special chrysanthemum show of November 13 was complete and artistic in every detail. The 'mums, which were naturally the chief feature of the exhibition, were unusually fine and included the choicest as well as the most popular varieties. The other flowers, roses, carnations also palms and ferns, attracted a great deal of attention. It seems as though free exhibitions as a rule draw well, which was fully demonstrated by the large crowd that attended. The show had been advertised to open at 3 p. m. and Geo. Walker, our able Supt., had his hands full at 2 p. m. to keep in check the mob which crowded around the stairway. Judge Theo. Bock was so badly frightened when the crowd broke loose that he dropped his pencil and came downstairs humming the popular air "Tell them that you saw me."

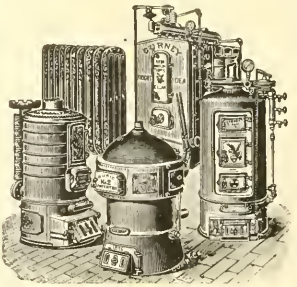
Mr. Bock gave the following awards: Hoffmeister Floral Co., Golden Wedding and Queen chrysanthemums and Perle roses; Corbett & Wilson, single and double violets; Wm. Murphy, Flora Hill, Bradt, McGowan, Jubilee, Peach-Blow, Portia, Bridesmaid, Emma Wocher and Armazindy carnations; W. W. Coles, Kokomo, Ind., Kaiserin and Carnot roses; C. C. Murphy, Harrison's White carnation and Golden Wedding; Theo. Bock, Miss Beckert, Walz and Autumn Glow; Jul. Shuman, Geo. W. Childs and Ivory plants; R. Witterstaetter, Modesto, Pres. Smith, Bonnaffon and Lenawee; George & Allen, Meteor, Beauty, Morgan and Bride roses, Romans, Narcissus, Valley and Lincoln 'mum; A. Sunderbruchs' Sons, Cardinal, Daybreak, Queen of the West, Scott and Ruby carnations, 6 cyclamen plants, Ficus elastica and Mrs. Perrin 'mum; City Greenhouses, 6 specimen ferns and 6 pot 'mums. The following, under rule 8, received awards and certificates: Hugh Graham, for Pennsylvania; J. A. Peterson, for Mrs. Samuel Heyden, cross between Queen and V. H. Hallock; Ed Roth, incurved lemon yellow, good flower.

E. G. Hill showed three varieties, white, yellow and pink, the latter a grand flower, color salmon pink, straight petals on the order of L. Canning. Karl Schweizer, Ch. W. Crouch, large flower, bronze and yellow. Fred Walz, dark pink, Jap. with much substance.

In the evening the regular monthly meeting was held and called to order by President Gillett. Mr. Giesy, of the Lockland Lumber Co., was appointed a committee to arrange for a social in connection with the December meeting. After the regular routine of business was transacted the meeting adjourned.

Mr. J. B. Heiss, of Dayton, O., paid us a visit during the week. Mr. Heiss is making a specialty of small palms and ferns for shipping. He took several large orders with him. Mr. Chas. McCullough is spending a week's vacation with some friends in Michigan hunting. He is said to be as handy as W. Scott with the gun.

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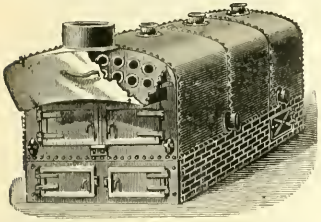


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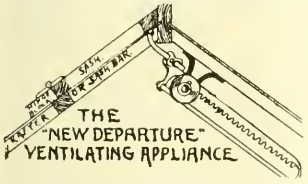
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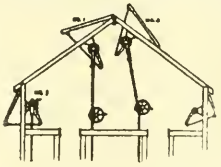
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SABETHA, KAN.—Mr. E. H. Marshall has just completed an even span house 16x26 for miscellaneous plants.

MARION, IND.—There was an exhibition of chrysanthemums November 8-11 at the National Soldiers Home, by Mr. Carl Anderson, the florist at the institution.

PARKERSBURG, W. VA.—Parkersburg has been enjoying its first chrysanthemum exhibition, which opened on the evening of November 9. The exhibits by Dudley & Son, A. Heihle and G. Obermeyer were the features of the exhibition.

NORWALK, CONN.—Edw. Hoyt and five members of his family were poisoned on Wednesday, November 10, by arsenic which had been mixed with their food, supposedly by an insane servant girl. Fortunately, the result was not fatal in either case, although it was a very close call.

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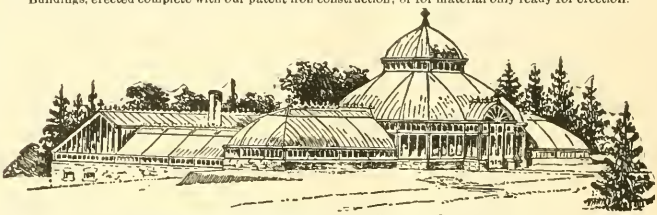


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Vol. XIII. CHICAGO AND NEW YORK, NOVEMBER 27, 1897. No. 495.

THE AMERICAN FLORIST

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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OFFICERS-ELECT (To be installed Jan. 1, 1898)—Wm. F. Gude, Washington, D. C., president; A. Donaghue, Omaha, Neb., vice-president; secretary and treasurer as before. Next meeting at Omaha, 1898.

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Our Thanksgiving.

The first issue of the AMERICAN FLORIST announced the birth of the Society of American Florists. It was imbued with the heroic spirit of the pioneer. It saw all of that now historic gathering and was a part of it. The directing minds of this paper made up no small part of the "faithful few" who created the Society of American Florists. They and it have continued to labor loyally, unselfishly and boldly for what seemed right, without fear or favor. Its reading columns have never knowingly been debased to low or selfish ends. The clean purposes of those noble spirited men who first unlocked their greenhouse doors, with such open handed giving of their best knowledge have been and will remain the high heritage of the "Dear Old FLORIST."

Let us be thankful.



The President of the American Chrysanthemum Society Speaks.

In the last two issues of the FLORIST there have appeared articles referring to rule adopted at the last meeting of the Chrysanthemum Society of America, which stipulated that all reports of the work of the committees should be issued only by the secretary of the society. This rule was adopted for three reasons:

In the first place the report should be authentic. In former years the trade papers have always had a representative present at the meetings of the committees in the different cities, who would interview the chairman, and get a report of their deliberations. While this has never resulted in any error being made, yet it was thought it would be far better to have all reports emanate from the proper officer of the society and bear the stamp of authenticity.

Second, the society had never provided for the withholding of a certificate in case of a protest having been made, no matter if made immediately after having been awarded, and if the reports were to be published without passing through the hands of the officers of the society, it would be useless to make a protest, for if made, it should of course be made to the secretary of the society and if the reports were to emanate from the chairmen of committees, a letter to the secretary would be too late to stop the publication of the award.

Third, the suppressing of the report of a committee upon a variety which did not score high enough to receive a certificate. The work of the society is not only to award certificates to meritorious novelties, but also, to place its disapproval upon a variety which is not an improvement upon those already upon the market.

Consequently it was decided at the meeting held at Providence last August, that all reports of judging should be issued by the secretary only, that the trade papers should receive each week a full report of the deliberations of the committees of the week previous (thereby making the report more full and more authentic and just as early) and that each exhibitor be forwarded a report of the different committees as soon as received by the secretary.

It was not intended that there should be any secrecy in regard to the matter, but it was thought that the society would have a more complete control of its work by conducting its business under this form, and while everybody fully understands that a raiser of novelties is always anxious to know how "his baby" has been received by the judges, yet it was thought that he could afford to wait until the reports of the committees could reach the hands of the secretary and a full report be forwarded to him.

ELIJAH A. WOOD.

[We give especial prominence to the above statement of the excellent reasons for the adoption of the rule in question. The present tendency to careless criticism of trade societies is greatly to be deplored. —ED.]

Chrysanthemum Notes—Phila.

On Saturday afternoon there were some new chrysanthemum flowers on hand to be examined by the committee. One was an undecided light purple variety after the style of Mrs. Irving Clark in that respect, but in form not so spreading or flat, or as large as that old variety. Another was an incurved light bronze after the get-up of Harry May, but lighter in color and not any larger in size, the florets, however, appeared to be somewhat broader.

Robert G. Carey had another of his good seedlings, making three that he has had before the committee this season. In color it was light yellow, similar in that and many other respects to Major Bonnaffon, but it seemed larger than the "Major" is generally seen. It was named "Spottswood." A silver cup is promised to be competed for at the next chrysanthemum show to be held in Philadelphia next fall for the best specimen blooms of this new variety. It has the characteristics of a good commercial sort, being a close compact incurved Japanese, the petalage of the florets being of good substance, thus indicating good shipping qualities.

Fred Dorner & Sons sent a new one all the way from Lafayette, Ind. It was a yellow incurved Japanese. It was good in color and form; excellent in fullness and stem; petalage and size fair. It did not land at 1514 Chestnut street until Sunday morning.

Incidentally in conversation it was stated that the "Frank Hardy" which came off with flying colors wherever

exhibited and was entered a few weeks ago for certificate honors in the Quaker and other cities, is a sport from our old friend Good Gracious.

Mrs. Perrin was noticed among others in Pennock's store, and the remark was made that it was still a pleasing color, but the wonder was how it scored 100 points before a committee acting under the auspices of the Chrysanthemum Society of America, but so it did for it was so recorded. One of the trade papers named the committee acting in Philadelphia as having awarded that honor; this, however, has been denied. So far as I can learn New York has the honor of having awarded 100 points up to date for a variety. But to return to what we were about to say: How the mighty have fallen! Has this variety deteriorated, or is the standard higher now than it was at the time the "Madam" made that high score?

It is a matter worthy of record that all the committees which examined and scored "Pennsylvania" gave it enough points to entitle it to a certificate, and Mr. Graham was not slow in showing to the chrysanthemum public all the telegrams and other evidences received from the different cities how it had fared at their hands. This was made known in connection with his exhibit of this variety at Philadelphia. This is interesting because it has been talked over among some of the raisers of seedlings that each new variety should be expected to be shown before all the committees located at the several centres, New York, Chicago, Philadelphia, Boston and Cincinnati, and after the aggregate of points had been determined divide the total by five and the result would decide whether a certificate would be awarded or not. This may have to be the plan in the future, and it may be that this idea inspired the thought that all reports of the committees should come through the secretary. They generally do in all other organizations. It certainly would have to be done in that way should that plan ever become a rule of the Chrysanthemum Society of America. It costs now $1 only per year to be admitted to the legislative councils of the C. S. A., so whoever has any good ideas to formulate, now is the time to get them tabulated ready to spring upon the next annual meeting to be held at Omaha, August, '98.

PHIL. A. DELPHIA.

Color of Viviand-Morel.

TO THE EDITOR: I noticed in the FLORIST of November 13, that many growers have Viviand-Morel turning lighter in color. I have a pot plant of the same turning pure white with the exception of one bloom which is of the original color. Having never heard of a white Morel, I would like to know if any one else has had a similar experience. F. E. VETTER.

All chrysanthemums of the color of Viviand Morel are inclined to vary in color, more or less, according to the conditions under which they are grown. In a temperature of from 55° to 60° at night, most varieties of that color can be bleached to a white. The indications are, however, that the one referred to by F. E. Vetter is a "sport," and an attempt should be made to "fix" it. There may be a white Morel in cultivation, though I do not remember having seen one. Under the circumstances my advice would be to propagate that part of the plant producing the white flowers and await developments.

E. LONSDALE.



The Lily of the Valley Industry.

How is it grown in Germany from its first planting until ready for harvest, to be sold to the commercial grower, and, why not grow it at home, when it will do even better under the same treatment and care; but, will it pay?

When I was an apprentice, thirty years ago, lily of the valley was grown quite differently from nowadays. It was grown in beds close together like so much sod, and matted close together; it was a hard job to keep it clean of weeds for three years, and then to pull it apart was another sweet job in the fall of the year. But shortly after, when valley came into great demand, also in this country, an easier way for handling it was generally adopted, which has been kept up ever since.

To attain the best results for the prime forcing pip at the end of a three years' growth, prepare, say one acre of your richest land to start with; sandy loam, very heavy cow and horse manure, mixed



LILY OF THE VALLEY 1-YEAR PIP.

and well rotted. Put on all the manure you can get under with your plow, but deep. Have four men beside the plow and let them keep raking the manure into the trench after the plow to make a snug even piece of well manured land and it will be ready for planting after the plow leaves. As the men put in the manure, rake the lumps down in the furrows, as this ground will not see a plow again for three years.

Planting is generally done in the months of October or November and sometimes very early in the spring; but fall is the best time. Take the 50,000 planting pips as in the cut one year old, put your line down and open with a spade a small trench, say about five inches deep along the line a little on the slant, so the small planting pips will lie rather than stand, about one inch apart. Next, fill in with loose soil so as to cover and over about two inches and so on. The distance from line to line is twelve inches, no more. This will allow any hoe to go easily between after they are all planted. It is best to give them a very light covering with horse straw manure to keep the frost from acting on the ground and raising the roots; but during the summer they must be kept clean of weeds, and hoed occasionally to allow the rain to soak in freely.

The next winter, give them another mulch of horse and cow manure and put it on during the early part of winter, to give the snow and rain a chance to wash all the best of it into the ground, and also the roots will readily take it up in the month of May, and will look quite different from those which did not get the mulch. Now all there is to be done is to keep them free from weeds and hoe to keep the ground loose; but during the summer and fall you must prepare a final mulch of all and any kind of manure, namely, chicken, horse, cow, blood and fish, etc., a general mixture turned over several times to burn and kill seeds which it might contain, and put on between the rows of your valley, which is getting pretty hungry and will take anything in the feeding line without injury, that you may have a mind to give it, but this being its last and final year for it to make its best growth, it is best to put the stimulant on early in the winter to get all the benefit possible from it, and during this summer use a prong hoe for loosening the ground.

When the leaves begin to turn yellow, which is October 1 to 5, you can start digging up your valley roots with spades, and put the clumps in a cart to be taken to sheds where they are assorted, one, two and three year old. The one year old pips, as per illustration, are the ones



LILY OF THE VALLEY 2-YEAR PIP.

you need for planting and are buried until wanted. The two and three year old are put 25 in a bundle and tied with a willow or wire and are also put under ground as soon as possible, being especially careful not to expose them to the air and sun any more than you can possibly help. This is one of the main secrets of success in forcing, to keep the roots from getting wilty or air dry; for if they do, in due time after getting damp again, they will rot and get mouldy.

After you have your one acre all taken up and cleaned, and know just how many you have, two and three year old, you know how many you have to sell and are ready for shipment. The two year olds are sometimes used for replanting, also for forcing for leaves in the early part of winter, because those which have no flowers will grow leaves sooner than the three year old pips which possess the



LILY OF THE VALLEY 3-YEAR PIP.

flowers. Rarely, the two year olds possess flowers, and if they do the flowers are small If you are short of planting stock, it is advisable to plant two year old pips and they will repay you.

Lily of the valley, if left on the same spot more than three years, will flower; but the flowers become smaller and weaker, because they become so dense that you cannot give them enough nourishment. Therefore, it is a rule to take them up every three years and plant your amount of one year old on new fresh manured ground, clean and sweet. Valley pips grown and treated in this way are worth having, and can be sold for Berlin, Hamburg, Russian, yes, *even American*, as shown in the illustration of half an acre that can be seen in Astoria where this photo was taken. The only question is the price. Can we grow it as cheaply as we can import it? for this is the point to be considered. Labor in Germany for this kind of work is worth 25 cents a day for a woman and 40 cents for a man. In America the same would be $1.50 for a man.

Lily of the valley grown around Berlin is considered the best for early forcing on account of the sandy soil. It ripens early, consequently likes to start early. Hamburg pips are grown in the vicinity of Hamburg and generally in heavy clay, cold and damp; and Hamburg valley is, in general, a late grower, but there are exceptions. Russian pips are grown more in the central or southern part of Germany, well taken care of and fed as you see some of the monster pumpkins in the fall in New York.

Astoria, N. Y. WM. H. SIEBRECHT.

Valley and other Bulbs in Oregon.

Some time ago I saw in your valuable paper an inquiry whether "lily of the valley" could be grown successfully in California. So far I have not seen a reply and as this question may be of some importance to somebody I send you a sample under separate cover proving that these plants can be grown to perfection in Oregon. Not only valley, tulips and narcissus grow and mature in this part of the country, but I venture to say, that hyacinths can be grown and ripened here fully up to Holland bulbs. I have seen hyacinths grown by an amateur, both from seeds and side sprouts, which were perfect in every respect. Without doubt Oregon is most similar to Holland in regard to soil and climatic conditions. Since there has been a heavy duty imposed upon bulbs, I think it will pay somebody to look into this matter as suitable land can be bought reasonably.

Portland, Ore. GEO. OTTEN.

(The sample pips referred to were very good indeed.—ED.)

Diseased Roses.

The specimens sent by J. H., Indiana, arrived O. K., also letter accompanying the same. I do not think the plants are suffering from any specific disease, though they are undoubtedly very sick. Mr. H. says his Perles were similarly affected last season, but having changed his stock of this variety this spring he now has healthy plants, and on that account is led to think the trouble is not in the soil or present treatment, but is in the stock itself. I cannot enlighten Mr. H. as to the exact nature or cause of this sickness, neither can I suggest a positive remedy. The plants have been brought to their present unhealthy condition undoubtedly through improper treatment, either this season, or some time previous. The foliage and wood are in that soft and pithy state which indicates deterioration, and presages ultimate death. Many things may have contributed to bring about this result,—too much manure in the soil is alone sufficient cause; too much or too strong liquid manure, or a fair dose and proper strength, but given when the plants do not require and cannot utilize and assimilate it, is often ruinous. Too much water at the root in warm and cloudy weather during the early fall, in conjunction with a high night temperature and insufficient ventilation, may have sown the seeds of weakness and death. But if in addition to any or all of these, and while the plants are in a soft, unhealthy state, we take the wood and root it, what should we expect but disease and disappointment?

It is the easiest thing in the world, once vigilance is relaxed, to have rose or carnation stock become run down and sick, and one of the most difficult tasks to build up and vitalize such stock. I have always held that few things contribute to failure in rose growing to the same extent as indiscriminate, hap-hazard propagating, and that perfect health and original vigor can only be maintained by the most careful selection of wood for propagating purposes.

I would suggest that Mr. H. abandon feeding with liquid manure or otherwise, any stock so affected, keep it a trifle on the dry side, aim to have the surface of the soil loose and clean all the time, have the night temperature as near 55° as possible, and as much ventilation during the day as it is safe to give, the object being to harden up the wood and give tone to the foliage; but above all to avoid using any but perfectly healthy wood for cuttings for next year's plants.

ROBT. SIMPSON.



LILY OF THE VALLEY—CLUMP FROM PIP PLANTED 3 YEARS.

Disfigured Foliage.

H. P., Kewanee, have forwarded some rose foliage to show the condition of the plants in one of their new houses; house was built this summer and plants set out in August before the glass was put on the roof. Soon after glazing the upper surface of the young tender leaves began to blacken, then curl up, and finally die. I am asked to explain the cause and remedy for the trouble.

The appearance of the leaves upon arrival here would indicate scalding or scorching as a result of being too dry at the root, lack of moisture in the air, or too high temperature, or perhaps a combination of the three. When the heat is very intense and the air dry the evaporation or exhalation of moisture through

the foliage is more rapid than nature can supply through the ordinary channel (the roots), the consequence is the foliage wilts, becomes drained, and the juices are dried up and scalding follows. Moisture in the form of fine spray over the plants, paths and benches just at the critical moment is the best preventive.

Roses seldom burn in this manner, even in the hottest weather, if the ventilation, soil and atmosphere have had due consideration. Cement paths, brick walls, etc., which retain little moisture and radiate considerable heat, are apt to give trouble in this respect unless frequently damped down during extremely hot weather. It is best to cut off the disfigured tips, and with reasonable care the burning should not occur again at this late date.

ROBT. SIMPSON.

and bushy there is often considerable wood near the base, the first made after planting out, that has become denuded of most of its foliage, is half smothered by the stronger and taller growth, and is practically at a standstill. Such wood cut out judiciously would not be missed by the plant and would permit a freer circulation of air; a few such sprigs might be taken off at each tying, and might prove beneficial all round. On general principles, however, I object to much thinning for all winter-blooming roses and prefer to allow sufficient room at the time of planting for the full development and spread of the plants without being compelled to resort to thinning out in order to let in light and air. Still in this as in almost everything else we do not all think alike and it is possible that many

(2) The disease is quite serious on Lilium longiflorum and L. Harrisii, and also attacks L. auratum and L. candidum. It is very prevalent in Bermuda, and in the United States where the bulbs are forced it destroys from 20 to 60 per cent of the crop. It also doubtless occurs in Japan, France and the Netherlands.

(3) There are many theories as to the cause of the lily disease, the principal ones being worn-out soil, premature removal of flowers and flower stems, premature harvesting of the bulbs, carelessness in the selection of stock for propagating purposes, bad treatment during forcing, and the work of insects.

(4) The work done shows that the disease is due to a combination of causes. In the first place the bulbs have become weakened through improper selection and improper propagation, and this weakening is further increased by the attacks of mites and certain fungi and bacteria. Bulbs which have been weakened in this way might regain their strength if the mites and fungi could be kept down, but those which are naturally weak cannot be made strong. During the time plants are being forced they may also be weakened by overwatering and consequent asphyxiation of the roots, or



LILY OF THE VALLEY FIELD ASTORIA, L. I.

Meteor, Trimming Out Blind Wood.

J. F. W., Iowa, asks my opinion as to the wisdom of cutting out the old bushy growth, the original plant, and leaving only the younger, stronger, and finer wood; the reply to have special reference to Meteor planted July 1 and now in splendid condition, but also to include all forcing varieties.

I have for the last ten or twelve years had a settled conviction, and every experiment made only strengthens it, that every active healthy leaf taken from an ever-blooming rose means robbing and weakening the plant to just that extent. The present demand for long-stemmed blooms compels us to shear off almost half the plant every time it produces a crop, and if along with this we cut out the blind wood how is the regular flow of sap to be continued without serious interruption when the flowers are cut? What is there then left for the roots to feed? To my mind there must in all such cases inevitably come a severe check, and injury instead of good will follow.

When plants have grown very large eminent growers may hold views on the subject that are entirely opposed to mine. I have long since learned that in most things there are many roads to success, and it matters little which road we take so long as success is attained.

My advice in the present and similar cases would be to leave the plants alone, they are vigorous, healthy, and look fine, take no chances of spoiling them. When stock is doing well it is seldom if ever the part of wisdom to reverse the treatment in any particular; I do not desire, however, to discourage experimenting, only do it on a small scale. ROBT. SIMPSON.

The Bermuda Lily Disease.

A report of investigations by Prof. Albert F. Woods on the Bermuda lily disease has been issued by the Department of Agriculture at Washington. The summary of results reached is given below. Copies of the report, Bulletin No. 14, which is illustrated, may be had free on application to the Department.

(1) The lily disease is characterized by the spotting and distortion of the leaves and flowers and usually the stunting of the plant.

by allowing the roots to become too dry, and then overwatering. The foliage of such plants may be free from spots and distortions, but usually the leaves are badly diseased.

(5) The spotting and distortion of the foliage is often due to the direct attacks of several genera and species of aphides and of the young of the bulb mite, to the injection of water into the young leaves in watering or syringing and to the presence of water between the young leaves of plants having soft foliage. The injuries from the attacks of organisms are always more severe on the susceptible or naturally weakened bulbs.

(6) The disease cannot be cured or even prevented by adopting any single course of treatment. The fact that the bulbs have become more or less weakened by improper cultivation, selection and propagation shows the importance of adopting rigid measures to improve the stock. Only the strong and vigorous plants should be used for propagation. Crop rotation should be practised in order to prevent the increase of mites and injurious fungi. Leave the stems on the bulbs until ripe, and in all cases avoid premature digging. The florist who forces the bulbs should exercise care in planting. Throw out all injured bulbs, and plant in well-drained, well-aerated soil. Endeavor to keep down aphides and mites from the start, and exercise care in watering and ventilating. Avoid feeding with solutions of horse, cow and sheep manures, and use chemical fertilizers.

MR. CHAS. W. GARFIELD, the well known horticulturist, was married this week at Denver, Colo, to Miss Jessie Smith formerly of Grand Rapids, Mich.

Philadelphia.

INCREASE IN DEMAND ALL AROUND.—A WORD ABOUT VIOLETS.—PALMS AND FERNS SELL WELL.—VARIOUS ITEMS.

A decided change has taken place since last week the weather is decidedly cooler there having been both frost and snow. This has been the most open fall for years; to have scarlet sage blooming outside the second week in November is indeed a very rare occurence in this locality, but this and other tender plants were to be seen in good condition as late as the fifteenth of the month.

Another welcome change is to be seen in a very marked increase in the demand for flowers. Last Saturday was a great day. The football game between Harvard and Pennsylvania called out all the violets, red roses and crimson carnations and chrysanthemums to be found and increased the demand for all kinds of stock, at least four or five times that of an ordinary day. There was great hustling among the store men for stock and yet with all the increased demand there seemed to be enough to fill all orders and have a little left. This gives rise to the query what becomes of all the flowers with only the regular demand to consume them.

The cold weather while it has made stock scarcer has improved the quality, this is particularly noticeable in the Pres. Carnot, as this rose is now coming in it is bound to be a winner. It is well colored, of good shape fine foliage and with stem stiff and of any length desired. Carnots are now asked for frequently; $8 to $10 per hundred, when such a quantity can be had, is now the price. Other tea roses are a notch higher, good stock bringing readily $6, with a prospect of $8 before long. Beauties are also climbing; $4 per dozen is now asked for the specials 36 to 40-inch stems and $1, $2 and $3 per dozen for the smaller grades. Carnations are getting there, some selling even as high as $2, the past week; $1.50 is now the price for the best average stock and in the opinion of one of the commission men it is not enough for the season of the year. Valley is plentiful at $4.

Violets are scarce, both single and double being in great demand. If somebody would only give us a little lecture on how to grow good double violets. We think he would draw a crowded house, for what the average violet grower of this vicinity don't know about violets would fill a greenhouse. It does fill more than half a dozen in most places where violets are being nursed, around here, fills them with diseased stock, with starved looking plants bearing little short stemmed poor colored flowers, fills everybody that has to handle them with disgust and the purse that ought to be filled goes empty. Wake up farmers and let's have something different, something that will sell, never mind the price, that will come and keep pace with the quality.

'Mums have sold well the past week everybody who had good stock had all they could do to fill orders. Coles, of 55th and Walnut streets, had a very fine lot of pot plants which went rapidly and he could have sold many more, his Maud Dean, Bonnaffon and Lincoln being especially fine. Rob't Craig had a splendid lot of his new late yellow Liberty. He sold some three thousand blooms the past week many of them going to New York. There seems to be room for the 'mum yet.

Palms have been selling freely lately as also has the Boston fern. Wm. Craig has a fine lot of large plants very well grown. Rubbers in small sizes are nearly all gone. This plant is very popular and for all that more seem to be grown each season the demand seems to keep pace the supply. K.



ORCHIDS AT THE TORONTO SHOW.



ROSES—TORONTO SHOW

New York.

CUT FLOWER TRADE ACTIVE.—PRICES DOUBLING UP.—VIOLETS IN THE LEAD.—PLANS FOR A PERMANENT PLANT MARKET.—A DECORATION BY SIEBRECHT.—A FLATBUSH EPISODE.—A NEW CARNATION.

The cut flower market has at last assumed an appearance of hopeful activity and the despondent feeling so prevalent since September seems to have vanished. It is too early, however, and conditions are of too uncertain a character to make predictions of permanent prosperity safe. New York has had its first touch of winter weather, not merely a passing chill but several days and nights of genuine winter, and receipts of flowers have fallen decidedly short and this, together with the calls for Thanksgiving festivities, has presented the first opportunity of the season to give prices a boost and immediate advantage has been taken of the situation. On an average it might be said that the prices have doubled on all grades of marketable flowers excepting chrysanthemums. This does not make them too high nor place the value of anything beyond what would have been considered by buyers a reasonable basis in past seasons, excepting in the case of violets which have once more gone beyond the limit, if their future good is to be considered. When the wholesale price of violets jumps to $3 or more per hundred it is, momentarily, a very pleasant experience for the violet grower, but his specialty suffers eventually from the resentment which is sure to follow, on the part of the flower buying public, over what they regard as an imposition. Many a customer makes his last flower purchase for the season when he walks out of the florists, at such a time as this, with a five dollar bunch of violets in his hat and a "cuss-word" between his teeth.

The movement which has been on foot for some time for the establishment of a permanent plant market gathers strength as it progresses and the outlook is now bright. It is proposed to secure Clinton Market, which is well adapted to the purpose, and it can be done if all interested will take hold now and help. The next meeting will be held at Lynch's restaurant, corner of Canal and West streets

on Wednesday, December 1, at 7:30 p. m. Long Island and Jersey plant growers should be present to a man.

One of the finest table decorations of the season was made by Siebrecht & Son at Delmonico's new establishment, on Tuesday evening, November 23, on the occasion of the 129th annual banquet of the Chamber of Commerce. American Beauty and Bridesmaid roses were the only flowers used. They were arranged in flat baskets four to five feet in length with round handle baskets alternating and connected by scrolls of smilax. The Beauties were used on the head table and Bridesmaids on the six other tables. The walls were festooned with southern smilax, and the balconies were decorated with palms.

The Flatbush Bowling Club bowls for turkeys on the evening of Thursday, Thanksgiving Day. Bowling with a regulation Thanksgiving dinner inside one's ribs is a very serious matter, and it is a question whether even the elastic Louis Schmutz will be able to stoop over. This contest for a turkey after it has been eaten will go down into history as a shining example of Flatbush honor.

Jerome Sundam has given the name of Manhattan to his dark pink sport from Wm. Scott carnation.

Visiting New York: Robert Kift and D. D. L. Farson, Philadelphia; J. A. Pettigrew, superintendent of parks, Boston, and Chas. Fleming, Bridgeport, Conn.

Boston.

TENDENCIES OF THANKSGIVING TRADE.—BUSINESS OUTLOOK BRIGHTER —EXHIBITION AT HORTICULTURAL HALL.—PROGRESS IN PARK CONSTRUCTION UNDER SUPERINTENDENT PETTIGREW —OPENING OF GALVIN'S NEW ESTABLISHMENT —DEATH OF PROF GOODALE'S FATHER.

Thanksgiving week! Not much cause for thanksgiving yet in this vicinity except that there is reason for thankfulness that the poorest fall on record in the flower trade has at last passed into history and that the privilege of hoping for better things is now granted us. The approach of Thanksgiving has put new life into all departments of the business, and prices for all grades of cut flowers are advancing in consequence. Bleak November weather has prevailed during the past week and the decreased production has had a healthy effect on the movement of stock at wholesale, reasonables values being obtainable for fancy grades, and the surplus of the inferior kinds being reduced to a point where competition for its possession is developed.

Street peddling has grown to be quite a factor here, using up the vast accumulation of ordinary and inferior grades that remain unsold after the fastidious storekeepers get their little selection of the top notch stock. While not equal to the New York Greeks in effecting combinations and "bearing the market," the street fakirs of Boston are by no means simple, and the wholesaler or grower who deals with them soon learns that all his wits are required in order to keep up with them. When there is an abundance of stock for all, they work together and manipulate things about as they please, and it is only when the supply is diminished to the danger line that they turn competitors and the dealer sees a chance to get even with them. It might be mentioned in passing that this latter condition is getting to be a very rare occurrence in this vicinity.

There are still plenty of chrysanthemums in market, and they bring all the way from $4 to $16 per 100 for specimen blooms, the poorer grades and sprays being sold in bunches for whatever they will bring. Roses are plentiful in all varieties and all grades, there being no scarcity in any class. Carnations are beginning to look up a little, but cannot be called scarce. The crop of violets seems to have shortened up considerably within the past two weeeks, and better prices are now quoted. The prospect of higher rates has always had the effect at this season of inclining the violet growers to hold back on picking, and this may be the cause, in part, of the present shortage.

The November fruit and vegetable exhibition at Horticultural Hall was held on Saturday last and was fairly good, as to most of the exhibits, excepting apples, which are a very short and inferior crop in this section this year. The hothouse grapes from Geo. McWilliam, including Alicante, Lady Downes and Mrs. Pearson, were very good. On the side tables were a few flower displays, among which were some well grown carnations from M. A. Patten, a promising yellow chrysanthemum, named Mrs. C. H. Peirce, from Fred Dorner & Son, and a plant in bloom of Cypripedium insigne Ernestii, for which W. W. Lunt was awarded a silver medal.

Great progress is being made in the construction and opening out of the vast park reservations. Eight hundred and forty men are employed at present. The manner of the road building and the thoroughness, system and foresight with which the whole business of the department is managed are good evidence of the wisdom shown in the selection of the chief officer, and we now begin to realize something of the high abilities possessed by Superintendent Pettigrew, and his eminent qualifications to direct the work of laying out and embellishing Boston's magnificent park system. The only regret is that we did not have him twenty years ago.

The new establishment of Thos. F. Galvin in the Back Bay district is now open to the public, the first three days of this week being devoted to the formal opening. It is a combination of store and conservatory, a splendid structure of iron and glass richly decorated and illuminated, designed and erected by Lord & Burnham. The store proper has a frontage of 28 feet, with an area in front 12 feet in depth, which is planted with choice conifers. Over the store is an open dome of stained glass with galleries for palms and hanging plants, the counters and floor are of colored marble and tiles, and the walls are tinted apple green and gold. There are window beds and stands of marble, and carved wood for plants, and the corners are fitted with small refriger-



HALF STANDARD CHRYSANTHEMUM—CHICAGO SHOW. GROWN BY J. REARDON

ators. The conservatory opens from the store and is 30x70 and 32 feet in height, with an auxiliary greenhouse for storage of decorative plants. In the basement are cold storage apartments and spacious work rooms. The conservatory is illuminated by hundreds of small electric lights and with the beautiful decoration in flowers and plants which mark the opening festivities, the place is a wonder and delight to the throngs of visitors.

News comes of the death of Stephen Lincoln Goodale at his home in Saco, Me., on Saturday, November 13, at the advanced age of 82 years. Mr. Goodale was the father of Prof. Geo. L. Goodale, of Harvard University, Botanic Garden, Cambridge.

Visiting Boston: Mr. R. H. Warder, Superintendent of Parks, Cincinnati, O.

Chicago.

THANKSGIVING DAY TRADE.— PRICES.— OBITUARY OF MR. FRANCIS LUDLOW.— VARIOUS PERSONAL ITEMS.

Thanksgiving Day is past once more. Growers, retailers and wholesale dealers are now figuring in how far the "thanksgivings" offered are commensurate with profits realized on the amount of business transacted. As usual, the reports of the retailers are varying. While a few claim an increased amount of business, the majority have figured up an average of about the same results as last season. Others again report a more or less percentage of loss compared with former seasons. The weather was very bad, with a drizzling rain on Thursday, and it is small wonder that the trade suffered.

The week opened up with a decided shortage of stock in all lines. As results showed later, this scarcity, more particularly in carnations, was not altogether due to a short crop, but to the fact that large amounts were held back up to the last day, with the inevitable consequence that thousands of carnations, which on very good Harrisii were in. Valley moved quite briskly, at $5 for select eastern stock. Good Romans brought $4. Chrysanthemums could be had in quantity, although large numbers of these were disposed of. Prices averaged rather low, $8 to $15 being the ruling figures for good quality stock; a few extra fancy up to $25. The first stevia of the season was cut, selling at 25 cents per bunch of 25 sprays.

Prices to-day (Friday) have settled back to $3 to $4 for average small roses, $5 to $6 for extra select; Beauties, first grade, $20 to $25, second $10 to $18; carnations, good common, $1, fancy $1.50 to $2; violets $1 to $1.50; valley $4 to $5; Romans $4; 'mums $5 to $15; stevia $1.

Mr. Randall is receiving some very fine Flora Hill carnations from Mr. J. F. Klimmer, the specialist in this flower at Oak Park.

Mr. Blair Winter, of Winter & Glover, has evidently found a congenial spot in New Jersey, as we learn he has postponed the date of his return.



TABLE DECORATIONS—CHICAGO SHOW, 1897.

Monday and Tuesday could easily have been disposed of at $1.50 to $2 per 100, had to be disposed of at half that figure, some of the poorer grades being difficult to move even at these low figures.

Roses remained steady through the week, with a brisk demand. The market was cleaned up every day. In the select grades 'Maids were short of demand. Beauties being in fairly good crop, proved about equal to demand. On the whole, prices of these ruled lower, considering quality, than in former seasons, the price for select quality being $2.50 to $3 per dozen, a few specials going a little higher. The price for average good stock of the smaller roses varied between $4 and $6. Pres. Carnot and a few special high grades in other sorts were held at $7 to $8, but a large amount of inferior grades ranged down to $1 per 100.

Violets very scarce, commanded $1.75 to $2 for the best and down to $1 for poorer grades. In bulbous stock some

OBITUARY—FRANCIS L. LUDLOW.

"Frank" Ludlow died in Chicago November 25, of pneumonia. The deceased was one of the old-time gardeners and florists of this city. He was born near Derby, England, December 31, 1833, learning his trade in England, coming to this country in 1853 direct to this city. For a time he was with Samuel Brooks, the first florist in this city, afterwards being gardener for E. B. McCagg at his once fine place on North Clark street. He was for many years after, foreman for Edgar Sanders, marrying in 1871 his eldest daughter, Sarah Jane. Mr. Ludlow leaves a widow, one son and three daughters, the youngest 13 years of age.

In 1872 he started in business for himself. Shortly after, he moved the houses and merged his interests into the pioneer commercial plant firm of Miller, Hunt & Ludlow. This terminated by limitation, and afterwards he rented Louis Ellsworth's greenhouses at Naperville, Ill. For the past 16 years he has been one of the staff of the Lincoln Park greenhouses. He was always a faithful workman, honest in his profession and in all his dealings.

Funeral services will be held at St. Peter's Episcopal church, 1871 Belmont avenue, Sunday, 3 p. m.

Omaha, Neb.

With a sigh of satisfaction the management closed the doors on the first of Omaha's chrysanthemum shows. From the first to the last of its six days it was in every way a success. As the visitors entered the first of the spacious halls, which contained the cut flower displays they were held entranced by the beauty and magnificence of the scene, here in her most voluptuous and enticing mood that regal monarch the Queen of Autumn held her inspiring sway, transporting her subjects far across the seas to old Japan. The exhibits were twenty-three in number and were arranged in great vases in a very artistic manner.

J. C. Vaughan's exhibit occupied a very prominent position and contained fine specimens of Modesto, Thanksgiving, Mrs. Jerome Jones, The Times, New York, E. M. Bigelow and a vase of exceptionally fine yellows, containing Eugene Dailledouze, Golden Wedding and Major Bonnaffon.

E. G. Hill & Co. were well represented with vases of H. H. Rieman, Modesto and a splendid pink, which all regretted was not named.

Jordan & Sons, of St. Louis had a good display of Golden Wedding, Modesto and an unnamed white.

Mendenhall, of Minneapolis, had several huge vases of very good 'mums including well known varieties.

Dorner & Sons' display of 'mums was much admired, particularly a new yellow Mrs. C. H. Pierce a truly fine variety. This firm's display of carnations attracted great notice from the trade. It included Mrs. Geo. M. Bradt, Gold Nugget and many other fine varieties.

J. F. Wilcox, of Council Bluffs, staged a display which compared favorably with any. It consisted of a large vase of American Beauties and a number of vases of 'mums of good size, such as V. H. Hallock, Geo. W. Childs, Mrs. Perrin, Mrs. Jerome Jones, Chas. Davis, Silver Cloud, Indiana and other varieties.

Hess & Swoboda's new seedling was much admired, in form and color a fine bronze, it promises well. Their vases of Domination, Major Bonnaffon and The Queen compared well with any sent in from the east.

In the second hall, divided from the first by dense masses and pyramids of luxuriant tropical verdure, were the exhibits of

pot plants. A fine pyramid of Ivory, exhibited by Donaghue, occupied a central position. Flanking it was a large bank of Golden Wedding displayed by Hess & Swoboda. Half of one side wall was occupied with a fine display of pot 'mums from Chapin Bros. of Lincoln, while tastefully arranged in banks, pyramids and many varied forms, were displays of pot 'mums from Henry Peterson, Ben Haas, Robt Unger, Paul Paulson, Eddever & Sons and Paul Floth. Eddever & Sons had some novel decorations of palm leaves.

E. C. Erfling had a fine specimen of Ficus elastica with very artistic and unique leaf decorations. A. Delaney displayed some good ferns. R. H. Davy, had a fine display of cacti. Peterson Brothers Cycas revoluta were well worthy of the conspicuous position they occupied. A team of six doves drawing a chariot, over a flower strewn race course with cacti to mark the quarter posts, made a very dainty floral scene disigned by Lewis Henderson. A. D.

San Francisco.

FLOWERS SCARCE WITH PRICES STIFF — VIOLETS TROUBLED WITH SNAILS —ROSE CARNIVAL AT PASADENA —NEW BOTANICAL BUILDING AT BERKELEY NEARLY COMPLETED —'MUM SHOW AT AUBURN.— BALL OF THE FLORIST CLUB —VARIOUS ITEMS.

Flowers of all kinds are getting rather scarce now and prices of everything in general have taken a jump. The heavy frosts we had during the past week destroyed a large quantity of outdoor chrysanthemums which of course shortened the supply considerably as the largest supply comes from outdoor stock.

Major Bonnaffon and Mrs. Robinson, two of our most popular sorts, are over for the season and In yellows Eugene Dailledouze is now the leader and is bringing very good prices. There is a demand for red chrysanthemums but we have no red here to amount to anything at this time. This week the florists are preparing for a heavy run on yellow and red 'mums on account of the great inter-collegiate football game on Thanksgiving day between Stanford and University of California. In whites Mrs. Geo. Ils is the best we have now and is bringing fairly good prices, but the one objection to this sort is its very weak neck. Cheap whites for funeral work are selling fairly well.

Violets are very scarce, in fact they have never been so scarce at this season of the year before. This is probably accounted for by the woeful lack of rain and cold frosty mornings. They are bringing from $1 to $1.50, Marie Louise being of much better quality than any other sort we have at present. Many of the growers have been troubled with snails this season which in some cases have destroyed thousands of violets. Roses are rather scarce and good stock is now up to 75 cents per dozen for Brides and 'Maids with 50 cents ruling for average stock. Some good Caroline Testout are also bringing fair prices. We also note some Papa Gontiers which sell for 50 cents.

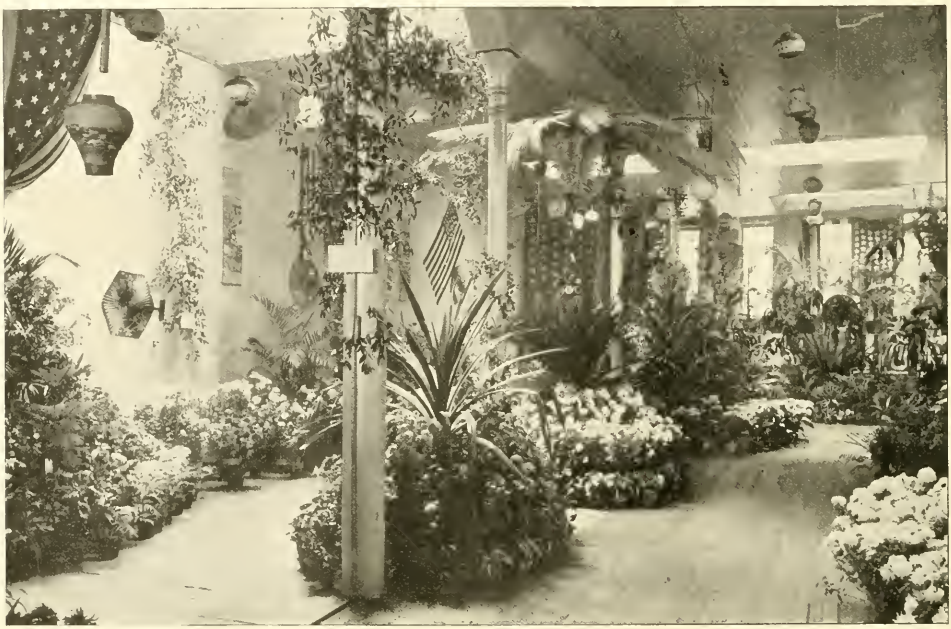
Carnations are in good demand and bring fine prices. The supply is rather short. The writer saw some extra fine Flora Hill during the week and they certainly were excellent. This variety will probably be largely grown next season as a standard white. Lily of the valley coming from Mr. Clack's place is really fine and brings a good figure. Smilax is of excellent quality but as yet is not much called for. Red berries are beginning to come into the market and seem to be of very good size and color this year.

F. Edward Gray, the seed grower of Alhambra, Cal., has been spending a few days in this city during the past week. He also looked over some of our largest growing establishments with much interest as he is also a large grower of cut flowers.

Mr. Waldo Bohnert, the young Gilroy seed grower, was with us during the past week.

The annual mid-winter rose carnival of the city of Pasadena is to take place January 1, and preparations are now under way to make it a grand success. Pasadena is the only city in this country that has an open air carnival on New Year's Day. It surpasses many of the carnivals given by larger cities in June and July and has made that beautiful city famous throughout the country

Emile Serveau, of Serveau Bros. spent a few days at Menlo Park during the week.



GENERAL VIEW—OMAHA, NEB., SHOW, 1897.

Chicago Chrysanthemum Committee.

Four seedlings came before the Chicago committee on the 20th.

Mrs. C. H. Peirce a light yellow of fine form, stem and foliage, a perfect globe in shape, of the Ivory type and apparently with all of the substance of that variety, was sent by the Fred. Dorner & Sons Co. of LaFayette, Ind.

From Nathan Smith & Son, Adrian, Mich., came Klio, a large, reflexed flower of a light yellow, Sunderbruch × Modesto. Color very bright and general effect striking, but apparently a little lacking in stem, also Rustique, a large inc. Jap., light bronze in color and Mezza white inc. Jap.

Miss P. Constine and Miss F. Guckenheim have opened a flower store at 22 Geary street near Kearney.

The new botanical building of the University of California at Berkeley is nearing completion. Prof. W. A. Setchell and his assistants began moving from the old building on the 17th inst. The old botanical laboratory will be removed entirely.

The annual chrysanthemum show held in Auburn on November 11, and lasting three days was very successful from a financial standpoint. A very neat sum was netted the society as the result of its labors. The displays were numerous and artistically arranged. E. O. Smith was in charge of the show. On former occasions a queen was always voted for, to rule over the show, but this year that feature was dispensed with.

The first grand annual ball given by the San Francisco Florists' Club took place on the 21st at Washington Square Hall. As this was the first reunion that the florists of this city have had in several years all joined in to make it a success. Our leading florists were at the head of it and everybody had a jolly time. Mr. Frank Pelicano was the floor manager and Pete Matrai assistant.

Mr. John Carbone is bringing in his usual lot of fine roses and chrysanthemums. His 'mums this season were very fine and Mr. Carbone is much pleased with his fall trade.

Rosaia & Co. have an immense stock of cut flowers and plants in their Sutter street store which attracts much attention from passersby on account of its artistic arrangement.

Mr. Thos. Stevenson has returned from the Alaska gold fields. Tom says that they can do nothing up there for many months to come so he decided to leave his claim for the winter and return and work it again in the spring. METEOR.

Exhibition of the New York Gardeners' Society.

Later returns indicate that the exhibition of the New York Gardeners' Society was financially more successful than our notes of last week showed. On Sunday, the last day, when the admission was reduced to 50 cents there were nearly 2,000 visitors and the result was that about $800 will be available for charity purposes after all expenses have been paid.

The only regrettable feature of the whole affair has been the disposition to protest against the decisions of the judges in making their awards and the unfortunate wrangle precipitated in consequence at the meeting of the society last Saturday evening. An exhibitor having submitted his contribution to the judgment of a committee selected for that purpose should make up his mind to accept the result gracefully even though it be a disappointment to himself. The position of judge on such occasions is an unenviable one at best, and if it is to be made intolerable by protests and accusations of incompetence or unfair bias afterwards, it will soon be impossible to secure good men who will be willing to submit themselves to such abuse.

Lenox, Mass.

Mr. James Clifford, an enthusiastic member of the Lenox Horticultural Society, died on Wednesday, November 10.

At the meeting of the society on November 20 Mr. A. J. Loveless read a paper on violet culture. On December 4, Mr. W. Russel will talk on carnations and on December 18 Mr. E. J. Norman on orchids.



Carnations at the Chicago Show.

The carnation exhibit at the late Chicago show contained several novelties of 1897. Among the most prominent were Mayor Pingree, which was grand in two or three places, with fine stem, large and well shaped flower, and bids fair to prove an acquisition; a little light in color perhaps, but if put on the market in as good form as exhibited it will surely bring the top price. Flora Hill was grand as regards flower but a little weak in stem, which may strengthen as the plants get older, and this will place it at the top as a fine white. Unless a carnation has a strong enough stem to hold the flower erect it is of little use in this market no matter how fine the flower is. Mrs. McBirney was also shown in fine form but light in color as yet, due no doubt to the continued bright weather of the last few months. We noticed a vase of Morello, though not so good as shown on previous occasions by the originators; the same with Mrs. G. M. Bradt and Mrs. C. H. Duhme.

Among the 1896 novelties Triumph was the most conspicuous, a grand variety as shown here. Jubilee was also exhibited but not nearly so good as this variety can be done later in the season.

We are now entering a critical period when a little mismanagement or neglect will cause lots of trouble and loss and you cannot give the carnation too much care just now. Have all the plants wired or staked, and be sure to get all shoots up off the soil; if not they are bound to decay and cause disease. I believe in tying each plant separately but not too tight, so as to allow a circulation of air all around and through each plant. Look out for any leaks in the glass, as one of the worst things for the health of any plant is a constant drip and the most vital point in growing good carnations is to keep the soil in as even a condition as possible, never too dry or too wet. By this time a little fire heat is necessary and it is a good plan to give one of the steam pipes a painting of lime and sulphur to check any disease and keep down red spider. CHAS. W. JOHNSON.

St. Louis.

BETTER PRICES PREVAIL.—SPECIAL MEETING OF THE FLORIST CLUB.—VISITORS.—BOWLING CLUB.

The week after our not-so-successful show (that is financially) business has been but fair but there has been a marked change in the condition of the market since last reports. The great supply of chrysanthemums has shortened up considerably and much better prices are obtained for all kinds of stock, owing to Thanksgiving Day. Still there seems to be plenty of stock coming in.

The Thanksgiving Day prices took effect Tuesday, November 23, and for the best of roses such as Brides, Meteors, Bridesmaids, Kaiserins, Carnots and La France from $6 to $8 per hundred is realized with seconds from $3 to $5; Perles and Wottons $4 and $5. American Beauties, first-class stock are scarce and sell for from $25 to $50; short stemmed stock is selling at $8 and $15.

Carnations have also taken a jump. The fancy stock is bringing $2.50 and some extra fine ones go as high as $3 per hundred; common varieties $1.50 and $2 and are not over plentiful. Scotts and Daybreaks are the best and are very scarce. Violets are coming in quite plentifully and some extra fine Californias bring $1 to $1.50 with doubles $1; small singles 25 and 40 cents. Neither Harrisii nor Romans have as yet made their appearance at any of the commission houses. Smilax is selling better this week at $12.50 and $15.

A special meeting of the Florist Club has been called for on Thursday afternoon at 3 p. m., December 2, when the executive committee will make their report on the late chrysanthemum show. Every member of the club is requested to be present at this meeting without fail.

Mr. Phil. J. Hauswirth and a party of friends from Chicago and Taylorville, Ills. spent Sunday with us. We had a good time. If you don't believe it just ask Phil.

Martin Reukauf, representing H. Bayersdorfer & Co., Philadelphia, was in the city a few days last week with novelties for the holiday trade.

The bowling club rolled three games Monday night with a good attendance. Emil Schray was high man in the three games rolled with 497, Chas. Kuehn second with 485 and John Kunz third with 480. The highest single score was made by Emil Schray with 217, Kuehn second with 191 and Kunz third with 170. The club will roll at the same place next Monday night. J. J. B.

Milwaukee.

MARKET CONDITIONS —A NEW FIRM.

The sudden change in prices and supply from Saturday, the 20th, to Monday, the 22d, was noticeable. Roses were offered in some windows at 25 cents per dozen Saturday and Monday. Some florists were not able to get what they wanted in the afternoon at any price. Flowers are of good quality and sell well at the higher prices, which are moderate and will no doubt result in a greater mutual benefit to grower and storekeeper than when prices are put up so very high for three or four days.

A new firm has just been established at 314 Third street, being half way between Chas. Baumgarden's and Wm. Ellefsen. The firm name is Binzel & Kellner. Mr. Binzel is a druggist by profession. Mr. Kellner has been in the business for several years, mostly with Whitnall Floral Co. and Wisconsin Flower Exchange and a short time with Currie Bros. They will conduct a general retail trade in cut flowers, plants and decorations. Both young men have a large circle of acquaintances who appreciate their good qualities and will insure them a liberal patronage. C. B. W.

That Misunderstanding.

I have no desire to prolong a discussion which cannot be profitable to either of the two principals or to the readers of the AMERICAN FLORIST, only I just want to own up that I *was* annoyed at Mr. Graham's tone and manner in connection with his inquiries about the score of "Pennsylvania." In order to have the matter as nearly correct as possible this time; it was William (Hugh Graham's son) against whom I hold the grievance. It was on the Tuesday following the Saturday when the examination of the flowers of Pennsylvania was made that he telephoned for the number of points scored, when I told him as pleasantly as I know how over a 'phone that I had forwarded the report of the committee to the secretary, and I also stated that I had not retained a memorandum of the same. Most people would have been satisfied with that statement, thanked me and said good-bye, and proceeded to get the desired information from Secretary Smith. But not so with William; he wanted those points, and he wanted them then, and he could not restrain his impatience, and as his manner was so infectious, I was influenced thereby and feel justified in every word that I said under the provocation. Committees are entitled to courteous treatment at all times, and that is what *this* part of the Philadelphia committee did not receive on the occasion complained about. EDWIN LONSDALE.

Omaha.

The park commissioners are putting up a palm house 22x60 at Hanscome Park. The large collection of palms recently purchased of W. J. Hesser of Plattsmouth, together with the gift of Mr. Herman Kountze, to the city, required a much deeper house than the old ones, which will be crowded with the stock for the park track at the Trans-Mississippi Exposition next year.

Mr. Bunde, representing J. C. Vaughan, of Chicago, called upon the trade the fore part of the week.

The Nebraska Seed Co. have moved to a new location at 1309 Farnum street, and are putting in a line of cut flowers and plants.

C. G. Anderson, of C. G. Anderson & Co., Atlantic, Ia., came up on business the middle of the week. G. R. H.

IT'S A MISTAKE
TO THINK
"ANY OLD THING"
will answer for a Refrigerator to keep flowers in. Those up-to-date are made by the
Chocolate Cooler Co., Grand Rapids, Mich.
SEND FOR CATALOGUE.

JAPANESE NURSERIES,
Importers, Exporters and Growers of PLANTS, BULBS, SEEDS, Etc.
·ESPECIALLY
LILY BULBS, CYCAS REVOLUTA, MAPLES, IRIS, TREE PAEONY.
Our stock is the best, at the lowest prices, and we test everything at our experimental garden on Columbia street, Dorchester, Mass.
Wholesale Price List to the trade only.
Branch of YAMANAKA, AMANO & CO.
272 Boylston St., BOSTON, MASS.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1898 will receive on request, a coupon for one five line want "adv." free, to be used at any time during the year.

SITUATION WANTED—As rose and carnation grower; single, age 27. References. Address J M. care Alex. Montgomery, Natick, Mass.

SITUATION WANTED—By young German American, 10 years' experience in general greenhouse work; reference Al, sober and reliable. Address Z. care Am. Florist.

SITUATION WANTED—As assistant under foreman. Life experience (12 years) as grower. German, single; 2½ years in this country. Address IOWA, care American Florist.

SITUATION WANTED—As foreman or otherwise by young man well up in all branches of the business, 14 years' experience, good references, abstainer. Address P. O. Box 834, Knoxville, Tenn.

SITUATION WANTED—A thoroughly reliable, experienced cut flower man, as maker up, decorator, salesman, etc. Many years' experience. Only those wanting an Al man need apply. Address M R, care American Florist.

SITUATION WANTED—As foreman or manager by a successful rose grower and general plantsman; 20 years' experience; age 36, married; sober and trustworthy. References given. Address CAPABLE, care American Florist, Chicago.

SITUATION WANTED—By a first-class German, age 30; 15 years' experience growing roses, carnations, violets, mums and general stock. First-class designer and decorator. Can run store. Best references. State wages. Address J. STUBER, Valley Park, Mo.

SITUATION WANTED—Young man, age 25, several years' experience in greenhouse work and store trade in up-to-date places; competent designer; accustomed to finest trade. Experience in retail business management; would like responsible position on or after Dec. 5th. References furnished. Address FLORIST, 612 Main St., Hartford, Conn.

WANTED—Six plantsmen for palm and fern departments. Also two packers. State last employer. ROSE HILL NURSERIES, New Rochelle, N. Y.

WANTED—A steady man as night fireman to attend to two steam boilers. Wages $9.00 per week. Address with references, K, care American Florist, Chicago.

WANTED—In Wisconsin city, good all round florist for retail trade who thoroughly understands his work, growing first-class roses, carnations, violets and general greenhouse plants; attend strictly to business. Must be a hustler, honest and industrious. Wages fair to begin. Chance for advancement. Address M I, care American Florist.

TO LEASE—Small nursery near town, improvements and stock to be taken over by lessee; low rent and long term given. B. FLOSSMAN, Oakland, Cal.

FOR RENT—Eight greenhouses, all new full stocked, everything on the place that belongs to the business, private trade; need $800 cash; the best chance for any man. Address FLORIST, Box 73, Lawrence Sta., N. Y.

FOR SALE—Two greenhouses containing 3 500 feet of glass, heated by hot water under pressure; 4,000 carnation plants and other stock; good trade for plants and floral work. Good chance for live man; only those meaning business need apply. For full particulars address L, care Henry F. Michell, 1018 Market St., Philadelphia.

FOR SALE.
4 1-20 acres land in the city of Charlottesville, Va., seat of the State University. Ideal place for hot houses, violet culture, truck, etc. Educational advantages unsurpassed. Highest grade free schools and students from Virginia attend university free. Can save interest on the price of property in educational advantages. Climate delightful.
ADDRESS FRANK C. MORRIS, Trevilians, Va.

FOR SALE.
Greenhouses in one of the best cities in Wisconsin. A good investment and a money maker for a hustler. Owner must retire on account of poor health
For particulars write **ELLIS & POLLWORTH,** Milwaukee, Wis.

CYCLAMEN GIGANTEUM.
3-inch pots .....$ .75 per doz.; $ 6.00 per 100
3½-inch pots..... 1.25 per doz.; 10.00 per 100
5-inch pots..... 2.25 per doz.; 20.00 per 100
☞Cash with the order please.
JNO. E. DE WALT, Box 82, Carlisle, Pa

Pansies Worth Raising.
GOOD PLANTS, $2.50 per 1000, or $1.50 per 500.
LARGE PLANTS, $4.00 per 1000, or $2.50 per 500.
BLOOMING PLANTS, $1.50 per 100.
SEED, as usual. CASH WITH ORDER.
C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.
Mention American Florist.

PANSIES. 500,000 NOW READY.
THE JENNINGS STRAIN. FIRST-CLASS IN EVERY RESPECT, and the LEADING STRAIN TO DATE.
BUFFALO, N. Y., June 8th, 1897.
MR. E. B. JENNINGS. Dear Sir:—The Pansy Seed supplied by you last August produced the finest lot of flowers I have ever seen. They were uniformly first-class. Send me one ounce of your best mixed as soon as ready. Respectfully, WM. SCOTT.
100 by mail 75c; 1000 by express $4; 5000 $18. Seed of the above strains $1 per pkt.; $6 per oz.; $3 per ½ oz.
CARNATIONS—Fine, stocky, field-grown plants, leading sorts, $3.00 per 100.
Cash with order. E. B. JENNINGS,
Lock Box 254. Southport, Conn.
Grower of the finest Pansies.

PANSIES.
ROEMER'S SUPERB PRIZE PANSIES.
PLANTS, strong and bushy, 65 cts. per 100, by mail.
By express..... $2.00 per 500.
By express..... $4.00 per 1000
Cash with order.
PETER BROWN, Lancaster, Pa.
Mention American Florist.

PANSIES....
Nice Plants, at $3 50 per 1000.
Cash with order.....
J. H. CUNNINGHAM, Delaware, O.

BOUQUET GREEN.
Best Quality at Lowest Rates. We gather our own greens and bring by our own boat direct. Also Christmas Trees.
NORTHERN MICHIGAN EVERGREEN NURSERY,
S. W. corner Clark St. Bridge, CHICAGO.

We are now Booking Orders for that Peerless New Yellow DAHLIA
Clifford W. Bruton.
It is an early and profuse bloomer, while the flowers are of immense size and grow on very long stems. Address
W. P. PEACOCK, ATCO, N. J.

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SMILAX—Strong 1 year	$1.50 and $2.50
CLEMATIS—Leading kinds for fall	
PÆONIAS—Herbaceous, choice asst.	8.00
NARCISSUS—Double and single Poets	.75
RED JACKET COOSEBERRIES—Very low prices.	
DOWNING COOSEBERRIES—1 and 2 year.	
DAISIES—Snowflake and Snowdrift	2.00
H. P. ROSES—In assortment	10.00

F. A. BALLER, Bloomington, Ill.

WANTED
Large size CAMELLIAS for cash or exchange for Palms.
STATE SIZE AND COLORS.
A. C. OELSCHIG, Savannah, Ga.

Bayersdorfer & Co. will be out with an attractive holiday catalogue December 1.

THE AMERICAN FLORIST

Subscription $1.00 a Year. To Europe. $2.00.
Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agate; 1inch. $1.00; Column, $10.00.
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Thursday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

THE board of directors of the AMERICAN FLORIST Company have appointed Mr. Willis N. Rudd acting secretary and he will have charge of the paper from this date. AMERICAN FLORIST CO.
Nov. 22, 1897.

Florists' Mutual Fire Insurance Association.

We have received from Mr. W. J. Vesey, 537 Broadway, Ft. Wayne, Ind., secretary of the S. A. F. Committee on Fire Insurance, copies of proposed by-laws of the new association and blank applications for insurance. We hope that the troublesome problem of fire insurance on greenhouses at reasonable rates has at last been solved.

The ability and standing of the gentlemen who have brought about the organization of this association entitle any proposition coming from them to careful and favorable consideration.

The association has been brought to the point of permanent organization by a vast amount of work, of careful consideration and thorough study of the mistakes made by other similar organizations in the past. Many regulations and restrictions, resulting from this careful study, will be presented for adoption. Hasty and ill considered action in rejecting any proposed restrictions looking to the security of its policies and the permanence of its organization, however irksome they may appear on superficial examination, must not be taken, or all the good work thus far done will go for naught.

The Florists' Mutual Fire Insurance Association has the best wishes and most cordial support of the AMERICAN FLORIST.

Special Advertising Cards.

Special designs for advertising cards can be executed through the engraving department of the FLORIST in the most artistic manner, either by best modern types, black and white pen drawings, the half-tone process, or a combination of any of them. Specimens of each class which will be readily recognized by our advertisers will be found in this and former issues. No extra charge is made for such plates where advs. run six months or more and duplicate plates may be had for use elsewhere, as may be desired.

Did You Receive the Special Number?

We wish to hear from every subscriber who did not receive it. Special numbers, especially those with colored title page, frequently disappear after mailing and never reach the party addressed. A number of complaints to this effect have already been received. We have enough extra copies to supply all.

Advance in Price of Glass.

On November 22 an advance of about 10% was made in the price of glass, making a total advance of 30% since August. A representative of H. M. Hooker & Co. summarizes the situation as follows: Only about 5% of the factories are running, because of trouble with employes. These troubles are made more difficult of settlement by reason of disagreement among the men themselves. Glass stocks are very short all over the country and continued and rapid advances are sure, if an early settlement of the labor troubles can not be made.

Wholesale Flower Markets

CINCINNATI, Nov. 25.

Roses, Beauty select	25.00@50.00
" " medium	15.00@20.00
" " short	8.00@12.00
" Brides, Bridesmaids	3.00@ 4.00
" Meteors	3.00@ 4.00
" Morgans	3.00@ 4.00
" Perles	2.00@ 3.00
Carnations	1.00@ 1.50
" fancy	1.50@ 2.00
Valley	4.00
Narcissus, Romans	3.00@ 4.00
Violets	.75@ 1.00
Chrysanthemums extra	10.00@15.00
" medium	5.00@ 8.00
Smilax	12.50@15.00
Adiantums	1.00
Asparagus	50.00

ST. LOUIS, Nov. 25.

Roses Beauties	25.00@50.00
" " short	8.00@15.00
" Meteors Kalserin	4.00@ 8.00
" Brides, Maids	4.00@ 8.00
" Mermets, La France	4.00@ 8.00
" Perles, Woolton	3.00@ 6.00
Carnations	1.50@ 3.00
Valley	4.00
Violets double	.75@ 1.00
" California	1.50@ 2.00
Chrysanthemums fancy	15.00@25.00
" common	1.00@ 5.00
Smilax	12.50@15.00
Adiantum	1.00
Asparagus	35.00@50.00

BUFFALO, Nov. 25.

Roses, Beauties	15.00@25.00
" Brides, Bridesmaids	5.00@ 7.00
" Meteors, Mermets	5.00@ 8.00
" Niphetos, Perle	4.00@ 6.00
" Kalserin	8.00@10.00
Carnations extra	2.00@ 3.00
" ordinary	1.00@ 2.00
Valley	4.00
Violets	1.25@ 2.00
Chrysanthemums extra	15.00@20.00
" ordinary	4.00@12.00
Smilax	15.00
Adiantum	.75@ 1.25
Asparagus	.50@ .75

MILWAUKEE, Nov. 25.

Roses, Beauty, extra	15.00@25.00
" " medium	8.00@15.00
" " short	4.00@ 8.00
" Brides, Bridesmaids	3.00@ 5.00
" Meteors, Perles	3.00@ 5.00
Carnations	1.00@ 2.00
Violets	1.00@ 1.50
Mignonette	1.50
Valley	4.00@ 5.00
Narcissus, Romans	3.00@ 4.00
Chrysanthemums	5.00@15.00
Smilax	10.00@12.00
Adiantum	.50
Asparagus	50.00@75.00

Chrysanthemums from Marion, Ind.

A box of chrysanthemum blooms has been received from Mr. Carl Anderson, of the National Home, Marion, Ind. Among them we note Eugene Dailledouze in prize winning form. Mr. A. speaks very highly of the keeping qualities of Mrs. G. M. Pullman, stating that blooms sent have been fully open for four weeks; its defective form, however, is against it for commercial purposes.

Chrysanthemum Day in Southern Cemeteries.

The mayor of Knoxville, Tenn., is endeavoring to establish the custom of decorating cemetery lots and graves with chrysanthemums in November yearly. Good idea.

AMERICAN IDEAS will penetrate even into such conservative bodies as the English horticultural societies. An English horticultural journal, in commenting on exhibits of six long stemmed chrysanthemums in vases, at a recent exhibition says: "These, placed in prominent positions in the principal hall produced a delightful effect and created much interest among the exhibitors."

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Wholesale Flower Markets

CHICAGO, Nov. 26.

Roses, Beauties, long	15.00@25.00
" " medium	8.00@15.00
" " short	4.00@8.00
" Brides, Bridesmaid	3.00@5.00
" Meteors, Testout	3.00@5.00
" Kaiserin, Carnot	4.00@6.00
" Niphetos, Perle, Gontier	2.00@4.00
Carnations	1.00
" fancy	1.50@2.00
Violets	1.00@1.50
Narcissus, Romans	3.00@4.00
Harrisii	16.00
Valley	4.00@5.00
Stevia	1.00
Chrysanthemums	5.00@15.00
Adiantum	.50@.75
Smilax	10.00@12.00
Asparagus	50.00

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Wholesale Flower Markets

NEW YORK, Nov. 24

Roses, Beauty, extra	15.00@35.00
" Brides, Bridesmaid, Meteor	4.00@12.00
" Testout, Carnot	6.00@12.00
" Morgan	8.00@10.00
Carnations	2.00@ 4.00
Valley	3.00@ 4.00
Mignonette	3.00@ 8.00
Violets	2.00@ 2.50
Harrisii	4.0 @ 6.00
Chrysanthemums	4.00@20.00
Smilax	8.00@10.00

BOSTON, Nov 24.

Roses Beauties	8.00@40.00
" Gontier, Perle, Niphetos	2.00@ 5.00
" Bride, Bridesmaid, Meteor	2.00@ 8.00
" Carnot	2.00@ 8.00
Carnations	1.00@ 2.00
Valley	3.00@ 4.00
Chrysanthemums	4.00@16.00
Mignonette	2.00@ 4.00
Violets	.75@ 1.00
Adiantum	.75@ 1.00
Smilax	10.00@12.00

PHILADELPHIA, Nov. 24.

Roses, Beauties, select	30.00@35.00
" short and medium	8.00@25.00
" Tea specials	6.00@ 8.00
" " firsts	4.00@ 6.00
Carnations fancy	1.50@ 2.00
" ordinary	.75@ 1.00
Valley	3.00@ 4.00
Chrysanthemums	8.00@16.00
Violets, double	.75@ 1.00
" single	.25@ .50
Smilax	12.00@15.00

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Heating Notes.

It is surprising how little attention is often given by those entrusted with the management and care of the fires in greenhouse boilers, to the proper and economical manipulation of the several draught regulating appliances with which these boilers are usually provided.

Before considering this subject, we must assume that the chimney has a fairly good upward draught, that the ashpit is fitted with convenient means, either by door or slide, for the admission of fresh air under the fire and that the smoke flue is fitted with a check draught of some convenient form. Many boilers are fitted with only a sliding or butterfly damper in the smoke pipe; I do not consider this sufficient for clean and economical firing. A cold air inlet of some kind into the smoke pipe near its connection to the boilers is desirable, with a conveniently hinged cover or door, covering the inlet, which can be opened or closed at will; such as the common "Boston damper" or any convenient modification of same.

For obtaining a bright effective fire, the necessary intensity of which is governed by the heat desired in the greenhouse, two points must be considered, namely, the feeding of fresh air to the fire and the quick removal of the products of combustion, and in many boilers, of the unconsumed coal gas produced by the fire. This unconsumed coal gas would not be present with ordinary firing in properly constructed and proportioned boilers, but unfortunately we find it in large quantities in a majority of the boilers sold for greenhouse use.

After having started the fire, having the ashpit door or slide wide open, the fire door closed, the damper slide pulled wide open and the fresh air inlet to the flue closed, until the fire has reached the desired intensity, the heat should then be checked, first, by reducing the flow of fresh air to the fire, which is done by partially or wholly closing the ash pit door or slide, and afterwards further checking it either by admitting fresh air into the smoke flue by opening the inlet or Boston damper, or where such is not provided, by partially closing the damper slide in the smoke box.

I cannot caution the fireman against the very common practice of using the damper slide in smoke box as the first means of checking the fire, for it results in but a slight and slow abatement of the heat, and floods the celler, shed, and often the greenhouse with coal gas, which result is further intensified by throwing open the fire door. The fire door should be kept tightly closed at all times except when necessary to replenish the fire with fuel, and should never be opened to act as a check to the fire, as when used for such a purpose it not only allows the gas to escape, as above stated, but in allowing a current of cold air to pass over the heated surfaces of the boiler, causes an unusual and unequal contraction of the plates, the strains from which can but be detrimental and destructive to the boiler, and further by deflecting the heat downwards causes an over heating of the grates.

It would not be possible to lay down any set rule as to the distance the several dampers and checks should be opened or closed, these points must be learned by actual observation and experience in each individual case, but the rules to be followed are to check a fire; *first* withhold fresh air from the bottom of the fire, and *then* check draught by partially closing damper slide, or better by admitting fresh air into the smoke pipe; and to increase the intensity of the fire, *first* obstruct the entry of fresh air into the smoke pipe and open damper slide, *then* admit air under the fire.

If these rules are followed, economy of fuel as far as it lies in the fireman's power will be effected, and you will not be troubled by prematurely burned grates or by the flow of coal gas into the greenhouses. A careful fireman will see that the damper slides, door hinges, etc., do not become clogged and obstructed by rust, a little attention given occasionally to the cleaning and greasing of these parts will quickly pay for itself.

HENRY W. GIBBONS.

NORTH EASTON, MASS.—Mr. John McFarland has a violet, a sport from the Farquhar, which has now been in his possession two years, and is remarkable for size of flower, stem and foliage, and general vigor of plant. It is probably the largest double violet ever grown in this vicinity.

Merion, Pa.

About fifty of the leading gardeners of Upper and Lower Merion dined together at Ardmore, Penna., on the 17th inst., to celebrate the successful flower show held by them recently and to talk over the formation of a permanent gardeners' club for their vicinity. John G. Gardner presided. It was decided to organize at once under the title of the Merion Gardeners' Club and M. Benz, Wm. Fowler, Jno. Thatcher, J. G. Gardner and Joseph Hurley were appointed a committee to draft a set of rules and regulations to be presented at next meeting. George Dumont, H. Dougall, Jno. Thatcher and others entertained the company after the special business was disposed of and a very happy evening was spent. Most of those present signed their names to the membership list. K.

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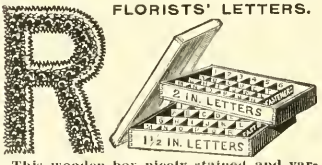
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Baltimore.

The show at Mt. Washington was a nice little affair in the Casino, gotten up by the Lend-a-Hand Club, a local social organization. The first prize for chrysanthemums was awarded to Mr. John Barton, second to Mr. M. Sands. Prize for decorative plants was secured by Mr. Wm. McRoberts, Jr. As this was the limit of the premium list it was a wonder that anyone contributed, but very fair stuff was sent by Mr. I. H. Moss, Mr. P. Welsh, Mr. Robt. Graham and Mrs. M. J. Thomas in addition to that sent by the prize winners. At the show in connection with the Y. M. C. A. Bazaar, Messrs. Fisher & Ekas showed a seedling named Miss Emily Wilkens, a very large bronze ten inches diameter about the color of Geo. W. Coles, but perfectly double, slightly incurved and highly built up, with good stems. Another named Joshua Levering was strongly incurved, and of a very peculiar color, what might be called a shrimp pink. Another was on the order of Good Gracious, flat, full, strongly incurved, one sided very large bronzy yellow. The best thing shown by them was an anemone flower fully six inches in diameter, pure white and by all odd, the very best anemone flowered chrysanthemum that has yet appeared. The same gentlemen exhibited Evangeline a pure white erect flower as strongly incurved as Kloto, but much larger. Also Eureka, a large white very much like the last, and Modesto a large globular incurved yellow as deep tinted as Golden Wedding.

Next to Fisher & Ekas came the booth of Montgomery Bros. who had a collection of standard varieties that would haved taken premiums in any competitive exhibition. Better finished Golden Wedding, Niveus, Bonnaffon and Minnie Wanamaker, would be hard to imagine. A single stem plant of Millbrook, with a flower eight inches in diameter, composed of perfect tubes of pink, deep inside, shell tint outside, attracted much attention. Next came a very pretty lot of decorative plants sent by Mr. I. H. Moss.

Mr. Philip B. Welsh who came next had a select lot of chrysanthemums backed by foliage plants. Mrs. Perrin was the very prettiest flower in the lot which is giving it high praise, but for an openly built, full, incurved, flower of a most exquisite shade of clear pink it would be hard to equal. Mr. Welsh had some very well grown plants, among which three of G. W. Childs were especially fine, Queen, Mrs. Jerome Jones, Bonnaffon and Erminilda were all very good. Mrs. Wm. C. Egan, an enormous full, highly built, incurved shell pink, was one of the most attractive among his cut flowers. Mr. Jno. Cook had a large group of palms, rubbers, crotons and aspidistra in the center of the room.

The room which was the supper room of Lehmans Hall, the main hall being devoted to booths of many kinds, was entirely too small for the display and being out of the way, up stairs, and having 10 cents extra charged for admittance, rendered it less a success than it might have been. There can be no doubt but that the spirit of emulation provoked by a large premium list is a great attraction to the outside world, and the number of exhibitors being limited to the five mentioned lessened the variety which was another charm of the shows which have been held by the Gardeners' Club. We must surely have a show of our own next year. There can be no question of it paying under prudent management in cash as well as notoriety. These little side shows make the fact that the public wants a flower show unquestionable.

Trade has been rather better during the week, and although prices have not greatly improved demand for cut flowers is decidedly better.

H. S. Roop has opened a store, corner Eutaw and Fayette street. MACK.

Newport, R. I.

At the regular monthly meeting of the Newport Horticultural Society on November 10th there was a very large attendance to listen to an interesting paper on chrysanthemums by Arthur Griffin. The discussion following the paper was animated and instructive. Seventeen new members were enrolled, including Mayor Boyle.

There was an attractive display of flowers and certificates of merit were awarded to Robert Murray for two vases of chrysanthemums and to Andrew Meikle for orchids; a silver medal was awarded to Arthur Griffin for fibrous-rooted begonias and one to Alex MacLellan for seedling chrysanthemums.

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CEO. S. BARTLETT, 1255-57 W. 6th St. Successor to Cincinnati, O.
CINCINNATI DESICCATING CO.

For MILDEW on ROSES
CARNATION RUST, FRUITS AND VEGETABLES,
USE FOSTITE; 5 lbs. 50 cts.; 25 lbs. $2.00.
C. H. JOOSTEN, Importer of Bulbs, Plants, Seeds,
193 Greenwich St., NEW YORK.

THE BEST FOR ALL Florists'
ROSE LEAF EXTRACT OF TOBACCO INSECTICIDE
FOR SALE BY SEED STORES
FOR FREE PAMPHLET WRITE TO
LOUISVILLE SPIRIT CURED TOBACCO CO
LOUISVILLE KY

FLORISTS FERTILIZER
Made from VIRGIN NIGHT SOIL by steam process—NOT Adulterated. Complete Fertilizer. Soluble, quick in action. Combines all the Elements for Nutrition of Plants. Pleasant to handle.
STANDARD FERTILIZER CO. Inc.
1822 Filbert Street, PHILADELPHIA.

It costs 4 cents for each 600 feet of floor space.
Kill AND SAVE the BLOOMS Bugs!
Does not injure the most sensitive plants. Endorsed
Nikoteen
by prominent florists. Used for fumigation or spraying indoors or out. 200 pounds of tobacco in one pint of Nikoteen. Sold by seedsmen. Circular free. SKABURA DIP CO. CHICAGO.
Quickly Does It.

Bargains in Bulbs
Per 1000
Roman Hyacinths, 11-12 ctm.. .....$12.00
" " 12-15 ctm..... 17.50
Single Dutch Bedding Hyacinths, in sept. colors. 20.00
" " Forcing " 25.00
" " Named " in sorts, 2nd size 30.00
" " " " 1st size. 45.00
Lilium Longiflorum, Japan, 6-8 inch..... 18.00
" " 7-9 inch..... 35.00
Narcissus Trumpet Von Sion..... 9.00
" " Princeps..... 7.00
CASH WITH ORDER.
HULSEBOSCH BROS.
ENGLEWOOD, N. J.

THE ALBERT DICKINSON CO.
DOMESTIC AND FOREIGN
GRASS SEEDS
FOR
Parks, Tennis Courts, Lawns, &c.
In fancy 1 and 2 pound packages and bulk.
SPECIAL PRICES TO THE TRADE.
CHICAGO, ILL.

BURPEE'S SEEDS PHILADELPHIA.
Wholesale Price List for Florists and Market Gardeners.

CLUCAS & BODDINGTON CO.
Importers and Exporters of
Seeds, Bulbs & Plants,
501 TO 503 W. 13TH ST.,
NEW YORK CITY.
Send for quotations on all Florists' Bulb Stock.

ESTABLISHED 1838 DREER'S SEEDS FRESH RELIABLE
TRY DREER'S GARDEN SEEDS,
Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.
HENRY A. DREER,
Philadelphia, Pa.

PALM Seed.
FRESH ON HAND
per 100 1000 3000
COCOS WEDDELIANA . . $1.25 $10.00 $27.50
MUSA ENSETE 1.25 10.00 27.50
J. L. SCHILLER,
404 E. 34th St., NEW YORK CITY.

W. & D's. "SURE CROP"
MUSHROOM SPAWN
Hyacinths, Tulips, Narcissus, &c., &c.
SPECIAL PRICES TO CLEAR.
WEEBER & DON, Seed Merchants and Growers,
114 Chambers St., NEW YORK, N. Y.

EXTRA CHOICE FLOWER SEEDS.
List free on application.
FRED. ROEMER, Seed Grower,
Quedlinburg, Germany.

THE SEED TRADE.

OBITUARY.

OLIVER LANDRETH.

Oliver Landreth, of the widely known seed firm of David Landreth & Son, Philadelphia, died suddenly of heart disease on the 20th inst., at his residence on West Walnut street, Philadelphia. Mr. Landreth was born in Philadelphia in 1830, and after graduating from the high school entered his father's place of business, subsequently becoming a member of the firm. He married Miss Linton, of Bristol, Pa., who survives him with two sons, William Linton Landreth and Lucien S. Landreth.

The deceased was a member of the Board of Trade and other business societies in Philadelphia and took an active interest in many social and religious organizations. He served with distinction during the war and during his whole life was noted for his ardent patriotism. He was of an exceedingly genial and courteous personality, and exerted a wide influence in his profession, both at home and abroad. The firm of which he was a member, is one of the largest in the world and is the oldest in the United States, having been founded by David Landreth in 1784.



W. W. RAWSON & CO.'S NEW STORE.

BOSTON.—W. W. Rawson & Company opened their new seed warehouse at 12 and 13 Faneuil Hall Square on Wednesday, November 17. The establishment is centrally located for the transaction of a wholesale and retail seed and implement business and is unique, as compared with other Boston seed houses, in that the retail department is on the ground floor. A great many florists and others visited the new establishment on the opening day, which was prettily decorated with bunting and ornamental plants and all were generously entertained. Mr. Rawson's employes presented him with a fine eight-day clock, as a souvenir of the occasion.

THE third annual reunion and ball of the employes of Joseph Breck & Sons Corporation at Boston was held at Berkeley Hall, the evening of Friday, November 19. Nearly 100 employes, with their friends and families were in attendance.

Government Seed Distribution.

TO THE AMERICAN FLORIST: The present position of the free seed distribution by the government calls for earnest work from all seedsmen in the United States, as all are so greatly interested in stopping the appropriation. There is a certain class of seedsmen who say they sincerely desire the appropriation stopped, but they have not subscribed funds and have done very little toward it except grumble. Some of these seedsmen are accusing the committee and other large seedsmen of want of consistency because they bid to supply the government seeds.

The facts are as follows: The appropriation by the government was made, and a large quantity of seeds had to be supplied, and if the large seedsmen had combined not to offer the government seeds, or had abstained from doing so, it would have been known by many of the smaller seedsmen and they would have rushed in to take the contract, and would have obtained probably twenty to thirty thousand dollars more for supplying the seeds. This would have elevated them to a position which their present status does not warrant, and the declination of the larger seedsmen would have accomplished no good. As a large quantity of seeds had to be bought, it would have been folly to refuse to sell, though they object to the distribution. If their refusal would stop the nuisance, they would be justified in not offering seeds to the government, but as it will not, there is no inconsistency in the matter.

Some of the committee have worked arduously for the killing of this distribution, and have injured their business thereby, but they have been willing to sacrifice their own interests for the good of all.

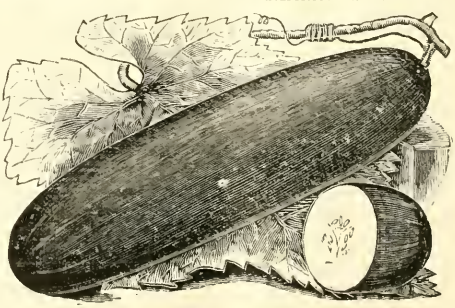
We ask earnest aid from those who will work to kill this injurious free distribution of seeds, and request them to write at once to the congressmen and senators who represent their states, pointing out the injury that is being done to the seed trade by this appropriation, which was admitted by Gen. Le Duc, who said that "Thousands and thousands of dollars worth of seeds have passed through the hands of members of Congress, and it is safe to say that not a dozen reports have been made that have been available by the department as data." And a recent report of the department said: "A careful review of the department reports during the last decade, in which over a million of dollars have been expended for the free distribution of seeds, fails to reveal a single instance of benefit to agriculture attributable to this distribution."

In addition to writing to their representatives, seedsmen can aid in bringing influence to bear upon newspapers with whom they have spent such large sums in advertising in the last few years, and which is now curtailed through the baneful appropriation. The government is destroying individual enterprise, and teaching the people to depend on the state as a foster mother. Yours very truly, T. WOOD, Chairman.

FAXON'S "WHITE HOUSE" PANSIES.
The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.
In Trade Packets at $1.00 each.
M. B. FAXON,
Lock Box 1528. BOSTON, MASS.
Correspondence solicited.

JOSEPH BRECK & SONS, CORP'N.
GROWERS OF PEAS, BEANS AND SWEET CORN
JOBBERS AND DEALERS IN
GARDEN SEEDS
OF ALL KINDS.
TRADE LIST ON APPLICATION.
18 N. CLARK ST. CHICAGO.

NEW GREENHOUSE CUCUMBER.
LIVINGSTON'S EMERALD.
For those who grow under glass, or for long distance shipping, it will prove a boon, on account of holding its deep green color much longer than any of either the Yellow or White Spine sorts: In size about one-fourth longer than White Spine, but about same thickness. The skin always a handsome green of the darkest shade—when grown under glass is not excelled for beauty in color and form, even by the English Frame varieties. It is almost entirely free from "warts and spines," so much so that it may be called spineless. No greenhouse grower should fail to try it. Sold only in packets this season.
PRICE (Postpaid)—Packet, 10cts.; 3 Packets, 25cts.; 15 Packets for $1 00.
The CATALOGUE TRADE is invited to list this variety. Terms on application.
A. W. LIVINGSTON'S SONS, Columbus, Ohio.



Pittsburg.

BUSINESS CONDITIONS.—UNIQUE FUNERAL DESIGN.—MR. W. BRIETENSTEIN RESUMES BUSINESS.—MEETING OF FLORIST CLUB.—MR. O. S. HEID GOES INTO BUSINESS ON HIS OWN ACCOUNT.

Business is very fair, considering the unseasonable weather we are experiencing this fall, very warm and exceedingly dry. If we could only have a good soaking rain to help in the country and some cold weather to put a quietus on people staying out doors nearly as much as in summer time, the florists say business would pick up very rapidly, but even with the conditions as they are a good fair trade is carried on. 'Mums are at their best now and can be had in any quantity and at almost any price. Other stock is plenty and good quality without any noticeable change in prices.

Mr. James Dell, 508 Smithfield street, reports business pretty good with him. He has been fortunate enough to have had several very swell wedding decorations lately and these, along with his general trade, enable him to report as above. Mr. Dell arranged a very elaborate funeral design this week. It consisted of a railroad with block signal house and telegraph lines and poles. The chief dispatcher at the Sewickley station, Ft. Wayne road, died, and having filled that position for over 20 years, his friends desired something unique in a design and the above was the result. It was perfect in the resemblance, was over 6 feet long on the base and over 4 feet in height. There were several other very handsome pieces furnished but none so unique in design as this one.

Walter Breitenstein, 541 Smithfield street, also reports business pretty good considering conditions prevalent and confidently looks forward to a good season's business. He re-opened the latter part of September and is satisfied that closing his place during the heat of summer is no detriment to business for the year. This is the second year of his doing so and affords him an opportunity of judging results.

At A. Patterson's, 511 Market street, Mr. Flemm, manager, reports business good and his opinion coincides with all the other florists regarding the present condition of affairs and the main thing required to remedy them for the better.

Mr. Oscar S. Heid, Spring Garden avenue, has commenced business for himself. He will grow a general variety of bedding plants for the present and gradually work into the cut flower trade. He has one greenhouse erected now; it is 100x20 ft. and in addition to it has over 100 hot bed sash 4x7 feet. He will in all probability succeed, as he is well up in the business, is young and energetic. He now has a stand in the Allegheny market. Mr. Heid has a place of six acres, which he says is quite large enough for a beginner.

The Florists' Club is to meet on Thursday, 28th inst., when the committee on flower show is to report. Of course until the club takes action it is not certain what will be done, but the outlook is very favorable for a show being held. Mr. Chris. Reiger will give the club a "talk" on artistic wire working, which ought to be very interesting, as Mr. Reiger is an adept in that line. REGIA.

CHICOPEE, MASS.—The florist business of Mrs. Dexter Snow has been purchased by O. A. Slosser and Isaac Andrews, who will continue business hereafter at the old stand.

A. FARLEYENSE,

Extra strong plants from 3-inch pots in excellent condition at $3 per dozen; $20 per 100.

NEPHROLEPIS EXALTATA at $5.00 per 100.

NEPHROLEPIS EXALTATA Bostoniensis at $5.00 per 100.

NEPHROLEPIS CORDATA. Fine for Fern dishes or specimen plants at $6.00 per 100.

PTERIS TREMULA all sold.

A few PTERIS SERRULATA at $3.50 per 100 strong.

R. WITTERSTAETTER,
SEDAMSVILLE, OHIO.



PALMS AND FERNS.

The LARGEST STOCK west of New York.

GEO. WITTBOLD, 1703 N. Halsted St., CHICAGO

CYPERUS ALTERNIFOLIUS.
2½ inch pots . . . . . 40 cts. per doz.; $2.50 per 100

GREVILLEA ROBUSTA.
2½-inch pots . . . . . 40 cts. per doz; $2.50 per 100

ASPARAGUS TENUISSIMUS.
3 inch pots . . . . . 50 cts. per doz.; $3.50 per 100

CALIFORNIA VIOLETS.
Field grown . . . . . $1.00 per 100

CARNATIONS.
Mapledale (new) . . . . . $8.00 per 100

Medium sized plants of the following standard varieties, $1.00 per 100: Portia Wm. Scott, Della Fox, The Stuart, and Tidal Wave.

NATHAN SMITH & SON, Adrian, Mich.

ROBERT CRAIG
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Street, PHILADELPHIA, PA.

NEPHROLEPIS
EXALTATA BOSTONIENSIS.
A few thousand strong rooted runners at **$2.50 per 100.**
Will make strong plants soon.
W. J. & M. S. VESEY,
90 Thompson Ave., FORT WAYNE, IND.

Musa Ensete, 500 Kilogs.
Fresh Seed; new and direct importations, $4 per 1000; $36 per 10,000.
PURE WHITE CINERARIA
BOULE DE NEIGE (Viard),
First-Class Novelty.
20 per cent. discount to those announcing this novelty in their catalogues; also electrotype furnished free. Ask for price list and description.
LETELLIER & FILS, Caen, Calvados, France.
Agent: C. H. JOOSTEN, 136 Greenwich St., New York.

PALMS CHEAP
To make room, I will sell for cash
10,000 Latania borbonica at $10 per 100. Less than 100 15c. Plants strong, not drawn, and are ready for 5-inch pots.
2000 Areca lutescens, 4-in. $10 a 100.
2000 Pandanus utilis, 4-in. 8c; 3-in. 5c. All first-class.
The E. HIPPARD CO.
YOUNGSTOWN, O.

PALMS SEND FOR SIZES AND PRICES
EDWIN LONSDALE
CHESTNUT HILL. = PHILA. PA.

PANDANUS VEITCHII
Clean plants in good condition.
7-inch pots, $1 50 each; $18 00 per dozen.
Also a few fine 8-in. at $2 00, 9-in. at $3 00, 10-in. at $4.00 each.
JOHN WELSH YOUNG,
. . . . GERMANTOWN, PA.

Palms
Pandanus Veitchii
Ferns and Araucarias in any quantity
JOHN SCOTT,
Keap Street Greenhouses, BROOKLYN, N. Y.

PALMS.
Send for Price List.
JOSEPH HEACOCK,
WYNCOTE, PA.

CANNAS MAIDENS BLUSH, PHILADELPHIA, ALSACE, ITALIA, AUSTRIA.
Fine plants SPIRÆA A. WATERER. LOCAN BERRY TIPS.
Write for prices.
THE CONARD & JONES CO., West Grove, Pa.

E. G. HILL & CO.
Wholesale Florists,
RICHMOND, IND.

FOR SALE.
A FINE COLLECTION OF
ESTABLISHED CACTUS PLANTS,
about 800, costing over $600; can be bought for $200.
E. S. SCHMID, 712 12th St., Washington, D. C.

Always mention the American Florist when writing to advertisers.

Cleveland.

BUSINESS QUIET —PRICES A LITTLE STIFFER. —NEW SEEDLING 'MUM, MRS. GRAHAM.— SHOW A SUCCESS IN ALL WAYS BUT FINANCIALLY.

Business continues rather quiet on the whole with most of the stores, although one or two report trade as fair. Flowers have been plentiful and cheap, although during the past few days there has been a better feeling and a slight stiffening all around owing to the near approach of Thanksgiving as well as the fact that the chrysanthemum season is now over its worst period of overstock. Indeed, instead of a glut there has been during the last day or two some inquiry for good stock which now can command about $1.50 per dozen instead of a grin of derision for the would-be seller.

In going over the report of the show, it appears that no mention was made of a new seedling shown by H. Tong of Erie, Penn. It is a very large, well built flower, white, with a pinkish tinge to it that in many ways suggests kinship to our old friend Pres. W. R. Smith. It bore a label inscribed with the name of President Graham.

At the club meeting on Monday evening reports and bills from the late show came in as to the quantity and quality of the exhibits there can be no complaint. The stock shown was of uniformly high class in all departments. The exhibition was better advertised than any previous one. The weather, barring only the first day, was as good as any one could possibly hope for in November. The fact remains that the club must go deep down into the old sock and produce the necessary simoleons to make good the deficit, owing to the light attendance. In looking back there does not appear that there was any mismanagement or neglect in any essential particular, so to the public belongs the blame. The only consolation is that according to reports from other cities, there are a number of other pebbles about on the same beach. A.

Lancaster, Pa.

Messrs. Landis & Co. have dispensed with their retail department, intending to confine themselves to their wholesale trade exclusively. Goldbach Bros. formerly connected with Messrs. Landis & Co., have bought out and taken charge of the retail store. Messrs. Goldbach Bros. are well and favorably known in this and in surrounding towns, and with the general improvements in trade circles they have certainly embarked in business under the most auspicious circumstances. HOMO.

GERANIUMS

Rooted Cuttings of the following varieties:

Heteranthe, La Favorite, D. Simmons, Naomi, Gloire de France, and a number of other varieties in small quantities, mostly doubles. Write for prices.

Address H. B. WEAVER & BRO.,
WHEATLAND MILLS, Lanc. Co., PA.

GERANIUMS. Grand bedders, New and Fancy, 50,000; 40 varieties, strong rooted cuttings, any quantity $1.00 per 100 by express; $1.25 by mail.
PANSIES. My standard assortment of best productions. Any quantity, 40c. per 100 by express; 25c. for 50 mailed for trial beside any other. Seed of same, 1000 for 20c.
Bedding Begonias, Coleus, Petunia, Salvia, Verbena, etc., in season.
Ask for list of Geraniums and other stock.
DANIEL K. HERR, Lancaster, Pa.

"Where McGregor sits, there is the head of the table."

McGREGOR BROS.

GROWERS OF YOUNG

ROSES
CHRYSANTHEMUMS
GERANIUMS

TO THE TRADE:

We are HEADQUARTERS in the Central West for all classes of young stock for Florists. Our record shows that we have supplied for the last 15 years
"THE BEST STOCK FOR THE LEAST MONEY."

McGREGOR BROS., Springfield, Ohio.

LAST OFFER OF

Indica Azaleas

10-12 in. diameter	$30.00	per hundred
12-14 in. "	42 50	"
13 15 in. "	50 00	"
ALSO		
Spiræa Japonica	$3.50	per hundred
Spiræa Multiflora Compacta	6.00	"
Spiræa astilboides floribunda	6 00	"

In the Best Market Varieties. Only a few of each now left in stock.

Branch of the Horticultural Co.
Boskoop, Holland.

L. G. BOBBINK, Rutherford, N. J.

PRIMROSES

Extra strong plants from 2½ in. pots, single varieties in separate colors, $3 per 100. Finest mixed, $2 per 100.
Double Primula white and red . . $4 00 per 100
Chrysanthemum Frutescens Hullerlana, finest yellow Daisy like Cinmerce, from 2½ in. pots. . . . . 75 cts per doz.
Begonia Argentea Guttata, from 2½ in pots, $2 50 per 100; rooted cuttings . . $1.50 per 100
Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Rooted Cuttings of the

New Geranium Mme. BRUANT

I am able to furnish this wonderful and distinct variety now by the hundred and thousand. No florist can be without this variety, being certainly the finest plant novelty of the year. A large, well rooted stock, ready now. Shipped to any part of the United States by mail or express PREPAID, 75 cts per dozen, $3.00 per 100; $25.00 per 1000. Cash with order. Order at once. No better stock to be had. Address
FRED. SCHNEIDER, 751 Crawford Rd., Cleveland, O.

STOCK MUMS

FOR SALE OR EXCHANGE.....

Good, strong plants Fitzwigram, Robinson, Mayflower Perrin, Murdock, Modesto, etc.

.....T. J. QUAYLE, Berea, Ohio.

ROSES.

FIELD-GROWN, OWN ROOTS.

No. 1, two to four ft., cut back to two ft.

Marechal Niel, Yellow Rambler, Hybrid Perpetuals, Mosses, Hardy Climbers, Madame Plantier, and Wichuraiana.

All on own roots except Marechal Niel, which are grafted on non sprouting roots. These plants are very strong and well shaped. Prices on application. ADDRESS

W. F. HEIKES, Mgr., Huntsville, Ala.

BOUGAINVILLEAS.

Beautiful for "cutting" or pot sale.

Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests

Send for "Comments and Facts."

THEO. F. BECKERT, Glenfield, Pa.
9 miles below Pittsburg, Pa

CHRYSANTHEMUMS.

STOCK PLANTS FROM BENCH.

Marion Henderson, Montmort, Ivory, Pink Ivory, Queen (white and yellow), Wanamaker, etc. Also a large collection of the best Ostrich Plume varieties. All $1.00 per dozen; $5.00 per hundred.

CHAS. L. MARSHALL, 67 Merrimac St., Lowell, Mass.

"JADOO"

FIBRE.

Every plant grown in it, thrives without earth.

LIQUID.

The best, safest and cheapest Fertilizer sold.

U. S. Patent & Trade Mark.

THE AMERICAN JADOO CO.
815 Fairmount Ave.,
PHILADELPHIA, PA.

Montreal.

The committee who had charge of the chrysanthemum show spared neither pains nor expense to make their tenth annual chrysanthemum show ahead of all its predecessors. The only thing they neglected was to arrange with the clerk of the weather for a continuance of what we were having, for three days longer. The result was that on Tuesday morning a regular "Klondike" snow storm set in which continued for 24 hours straight, by which time there was about a foot of snow on the streets, so though Wednesday was fine overhead very few people ventured out on account of the state of the streets. Thursday the closing day was a repetition of Tuesday, snowing all day; so, under the circumstances, it is not to be wondered at, that the attendance was very slim, I believe the smallest on record. The display of plants and cut flowers although not quite so large as last year, was excellent and in quality ahead of anything ever seen here before. The four lots of 24 blooms each, staged by T. McHugh, G. A. Robinson, Wm. Wilshire and W. Harobin were really magnificent. Among Mr. McHugh's lot were several new French and English varieties never seen here before, among which was Mrs. Henry Weeks an extra fine flower, it was a perfect globe over seven inches in diameter and of the purest white. I regret that I cannot give a list of the other varieties, having mislaid my notes.

In the class for 12 specimen plants Messrs. Robinson and C. A. Smith put up two magnificent dozens, Mrs. Perrin, l'Enfant de deux Mondes, Ivory and Pink Ivory being very well done, a plant of the last mentioned being four feet through. A plant of Mrs. Perrin got the diploma for the best plant in the show.

The 6-inch pot plants were very well done by the same two gentlemen, in the class calling for not more than three blooms on each were some magnificent flowers.

The display of roses was rather smaller than usual, but in quality was all that could be desired. Mr. Bennett led easily right down the list.

The display of carnations was rather poor, Walter Wilshire showed a vase of his new white which was very much admired. It is a cross between McGowan and Haettel with the erect habit of the former and the form and perfume of the latter. In made up work there was not much competition, Messrs. Wilshire Bros. leading in every section.

The table of orchids put up by Wm. Wilshire was of rare excellence, also a bunch of Barbarossa grapes by the same grower was very much admired.

Two magnificent banks of palms and foliage plants were put up by Colin Campbell.

The special feature in the way of decoration was an immence four arch grotto, twenty feet high, in the center of the hall, composed of palms, foliage plants and chrysanthemums, and the under part of the arches covered with asparagus and bitter sweet berries. Also there was a Japanese flower booth formed of a Japanese umbrella 15 feet in diameter, under which three young ladies in "Geisha" costume sold 'mums and distributed smiles.

A Japanese fan dance and tableaux was put on the stage each evening by a company of 18 amateur young ladies in full Japanese costume. A first-class orchestra was also in attendance every evening.

BEAVER.

Novel Flower Show Attraction.

At Galesbueg, Ills., the culminating feature of a floral exhibition at the Pillsbury greenhouses, was the wedding of a young couple which took place in the midst of the exhibits at the close of the show.

The special inducements offered were superb floral decorations and the marriage license and ministerial services free, besides a large and interested crowd of witnesses.

Peoria, Ill.

Cole Bros. have rebuilt four of their houses, making each 20x100. Messrs. Cole Bros. are exceptionally successful with their roses and carnations.

Florist Schaaff has disposed of his business being now at Gen Oak Park.

Mrs. M. Cation has removed her flower store from 405 Main street, having found more commodious quarters on Adams street next to the opera house.

Mr. Jas. C. Murray reports a brisk trade all along the line. HOMO.

RICHMOND, IND.—Beach & Co. have built three additional houses, each 22x65. Two of these are intended for carnations and one for palms.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

WE LEAD IN

Prices, Quality, Service.

GREEN HOLLY

WREATHING, MISTLETOE, Etc.

It is to every Florist's advantage to correspond with us on these items. We know how, have the stock and proper facilities for instantaneous service.

Can save you money whether you buy by the crate, ton or carload.

Send for Special Holiday Circular. . . . .

W. W. BARNARD & CO.

186 East Kinzie St., CHICAGO.

Cut Smilax

15 cts. PER STRING.

RED PRIMROSES, 3-inch pots, $4.00 per hundred.

THE NATIONAL PLANT CO., Dayton, O.



HARDY FERNS

WARRANTED FIRST QUALITY.

SPECIAL ATTENTION PAID TO SUPPLYING WHOLESALE DEALERS.

Write for Prices.

—— ALSO DEALER IN ——

BOUQUET GREEN, SPHAGNUM MOSS, CHRISTMAS TREES,

Etc., Etc., Etc.

L. B. BRAGUE, - Hinsdale, Mass.

☞Oldest, Largest, and Most Reliable Dealer in the United States.

Bouquet Green.

Owing to recent low purchases we are in position to supply this article at a most advantageous price. Don't buy until you write or wire for our latest quotations.

EVERGREEN WREATHING

Best Medium Grade.

Per 100 yds $3.00.

SPECIAL ON QUANTITIES.

XXX HOLLY.

Everybody wants our "GET THERE" Holly.

Present indications are that our crop of this will be extra choice this year. Book your order now and get in on the ground floor. Every case re-inspected.

Per Case, $4.00 to $5.00.

If you want the smooth-leaved Southern Holly, we can supply it at $3.50 a case in Chicago.

HOLLY WREATHS.

Extra heavy, 12-inch, $2.00 per doz; $12.50 per 100.



On Hand

LILY OF THE VALLEY

"LONDON MARKET."

The finest pips in existence for early forcing. Per 100 $1.65, per 1000 $13.75, per case of 2,500 $33.75.

"PREMIUM."

Equal to "London Market," for late forcing. Per 100 $1.50, per 1000 $12.25, per case of 2,500 $30.00.

"International" Brand.

A FIRST-CLASS HAMBURG PIP.

PER 100 . . . . . $1.35
PER 1000 . . . . . 10.00
PER CASE OF 2,500 . . . 24.00

Write for our HOLIDAY CIRCULAR Just issued.

14 BARCLAY STREET, NEW YORK. VAUGHAN'S SEED STORE, 84 & 86 RANDOLPH STREET, CHICAGO.

Mt. Kisco, N. Y.

The third annual flower show of the New Bedford Flower Club, under the management of the Westchester County Horticultural Society, was held on Tuesday and Wednesday, the 9th and 10th inst. The exhibition, which was under the superintendency of Herbert Spavins, was most creditable, and taken as a whole was a decided improvement over its predecessors, the general average of flowers and plants being better and the number of individual exhibitors larger.

W. A. Manda and John Shaw were the judges. The keenest competition was for the Balley prize, a cut glass vase, valued at $40, offered for the best 25 chrysanthemum blooms. It was won by J. D. Layng (P. J. McDonald, gardener), and the James Wood silver cup, for second prize, went to J. B. Dutcher (A. L. Marshall, gardener). A. Brill, gardener to Miss M. B. Monahan, won the Carpenter silver cup, for best collection of cut blooms, J. Dutcher being second here also.

Other large exhibitors in the cut flower classes were, M. J. Green, gardener to Jas. Wood, Mrs. J. W. Brown and Charles Weise, gardener to W. W. Lord. All the above mentioned exhibitors were also prominent in the plant classes, the Curry cup, for best collection, going to J. D. Layng.

The Male cup for collection of roses was won by J. D. Layng. In the class for collection of decorative plants, the first prize, the Turner cup, was won by Doyle Bros.; the Layng cup by J. B. Dutcher, and Herbert Spavins was awarded second prize. The Sutton silver cup, for collection of ferns, was won by Herbert Spavins.

J. B. Dutcher, W. W. Lord, Doyle Bros., J. D. Layng, Clarence Whitman and James Wood made attractive displays of carnations, and in the miscellaneous classes, geraniums, begonias and cyclamens were shown by a number of exhibitors.

The amateur classes were well filled, the silver cup offered by Dr. Carpenter for best collection of decorative plants grown by an amateur, being awarded to J. H. Crane. Non-competitive displays of palms and decorative foliage plants was made by the Kensico Cemetery Company and by F. R. Pierson Company.

Erie, Pa.

Mr. Henry A. Niemeyer has recently added two more carnations houses to his already extensive plant and has extended one of his palm houses about 40 feet. I need hardly add that Mr. Niemeyer never does things by halves and that his recent addition is fully up to the standard in greenhouse construction.

Mr. John Trost has put the last finishing touches on his new houses and is now fully equipped to do business at his new stand.

Business is decidedly improving.

HOMO.

WESTMINSTER, MD.—Mr. J. Grattan Doyle has just completed a new carnation house 18x125. He has also built a dwelling, attached to his rose houses, and is heating both greenhouses and dwelling by steam.

STOCKY, FIELD-GROWN **CARNATIONS.**
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MEETING OF HORT. SOCIETY.—VERY LITTLE CHANGE MADE IN OFFICERS.—TRADE IMPROVED CONSIDERABLY.—H. F. A. LANGE IS HUNTING CARIBOU.

The annual meeting of the Worcester County Horticultural Society was held on November 3, 1897, with a large number of members in attendance. Very little change was made in the officers and committees. O. B. Hadwen, who has just completed his fiftieth year as a member of the society, was unanimously re-elected president, and Stephen Salisbury, George E. Francis and James Draper were re-elected vice-presidents; Nathaniel Paine, treasurer, and A. A. Hixon, secretary and librarian. But slight changes were made in the board of trustees and standing committees, and George McWilliams was elected judge of plants and flowers. Henry E. Rich on fruit, and Chas. Greenwood on vegetables. Some changes were made in the by-laws.

Trade has improved considerably during the last ten days, and everything is moving fairly well. 'Mums are a bit overplentiful, but not alarmingly so. The supply of carnations, roses, violets, etc., is about right to suit the demand. The first Romans are in.

H. F. A. Lange is up in the provinces after caribou. A. H. L.

LENOX, MASS.—At the last mening of the Lenox Horticultural Society, Messrs. Huss, Wingett and Northern were appointed a committee to prepare resolutions on the death of Miss Isabel, daughter of William Henry.

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Plant Market.

A number of plant growers, both from New Jersey and Long Island, have met and discussed the advisability of forming an Association for the purpose of engaging a large part of the Clinton Market building as a permanent Plant Market. To better enable the committee to formulate plans, the meeting was adjourned in order to enable growers who were not present to become interested.

The next meeting will be held at Lynch's Restaurant, Cor. Canal and West Sts., New York City, Wednesday, December 1, at 7:30 P. M.

Christmas Trees.

All perfect specimens, nursery grown, superior to trees collected from the woods. Prices f. o. b. cars, Geneva.

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" 6 to 9 ft.	12.00	110.00
" 8 to 10 ft.	20.00	150.00
BALSAM FIR, 3 to 5 ft.	10.00	90.00
" " 4 to 7 ft.	12.00	110.00
" " 6 to 8 ft.	15.00	125.00

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Nurserymen,
GENEVA, N. Y.

Reply to Query.

The AMERICAN FLORIST stated in a recent issue that to raise large 'mums one must use rotten cow manure and nitrate of soda, but man must be some kind of a chemist. Not being a chemist will you please state in your next issue how much manure and soda is required to one barrel of water. GEO. A. BAILEY.
Virginia.

For cow manure in liquid form we use fresh manure about half bushel to barrel of water. By using the Kinney pump this gets diluted one-half, we fill up barrel three times without changing manure.

We had some difficulty in using the Kinney pump owing to particals of manure getting in and clogging up the hose. To avoid this we made a cylinder of ordinary chicken wire netting that reached from bottom of barrel to the top; inside of this we placed another cylinder of mosquito bar. In this we put manure. The chicken wire gives strength and the mosquito bar prevents any manure getting into the hose. We make the cylinder one foot in diameter and it can be lifted out of barrel and replaced again very easily.

Nitrate of soda we use one pound in 50 gallons of water. GEO. STOLLERY.

Moosic, Pa.

Mr. Wm. McDonald has rebuilt and enlarged two of his carnation houses and has somewhat overhauled his entire plant.

About a year ago Mr. John Palmer, of Scranton, Pa., and Mr. McDonald formed a partnership under the name of Palmer & McDonald, and have opened a flower store on one of the principal thoroughfares in Scranton. HOMO.

COLUMBIA CITY, IND.—Miss Ida M. Lore has lately purchased the retail establishment, formly conducted by Mrs. S. A. Amerman and will grow roses, carnations and miscellaneous stock.

Greenhouse Building.

Franklin Falls, N. H.—Kelley Bros., one greenhouse.

No. Adams, Mass.—Henry Phelps, one greenhouse 20x60.

Yorkville, Pa.—C. Sharpe, range commercial houses and hotbeds.

Adams, Mass.—H. Bootman, one greenhouse.

Kennebunk, Me.—J. O. Elwell, one commercial house, 20x100.

Milford, Mass.—Clinton Howe, one forcing house.

Conway, Mass.—C. Flagg, one greenhouse 20x60.

Dalton, Mass.—Mrs. J. B. Crane, range of conservatories.

Wolfboro, Mass.—G. P. Gridley, one greenhouse.

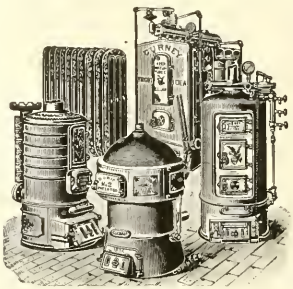
Williamstown, Mass.—John B. Gale, one forcing house.

Northfield, Mass.—J. H. Morgan, one commercial house.

Waterbury, Vt.—H. G. Hayden, one greenhouse.

No. Adams, Mass.—J. B. Gale, one forcing house, 16x50.

Dighton, Mass.—Lewis Bros., one greenhouse.



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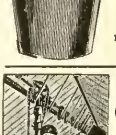
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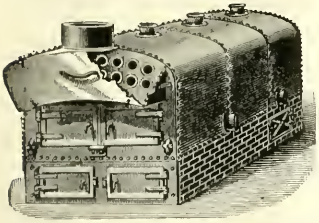
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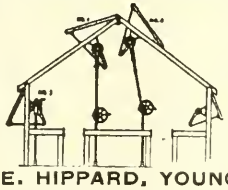
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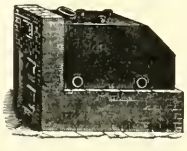
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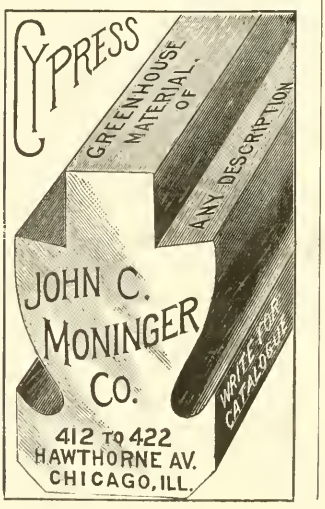
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ASPARAGUS SPRENGERII was very much in evidence in the table decorations at the Chicago flower show, and judging from the comments of visitors, will be in demand during the coming winter.



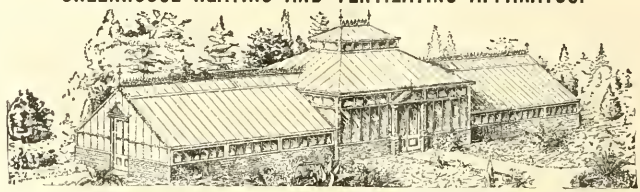
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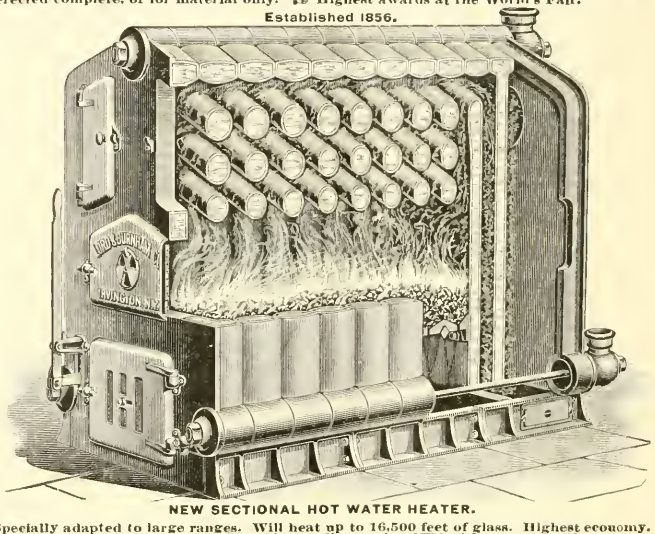
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THE AMERICAN FLORIST

A WEEKLY JOURNAL FOR THE TRADE.

29 1897 to 1 JAN ASSN Illinois

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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Flower Shows East and West.

ED. AMERICAN FLORIST: As I have had the pleasure of attending both the Boston and Chicago chrysanthemum shows, I will, at your request, endeavor to give you my impressions of the latter as compared with the former. I was much pleased with the general excellence of the Chicago exhibition and the way in which many objectionable features about the hall were overcome. They had a very large space to fill and the managers are to be congratulated upon the way in which the exhibitors responded.

Owing to the comparatively limited space in which the Boston show must be made, many of the exhibits that helped the Chicago show greatly, such as the palms, ferns, geraniums and the table decorations, could not be accommodated. As a chrysanthemum show, pure and simple, yours undoubtedly falls behind, not so much in quantity as in the general finish and the excellence of the flowers from certain growers.

The Massachusetts Horticultural Society is an old and well-established concern, and they have made exhibitions their business for many years. They have spared no expense which long experience has taught them is necessary to the accomplishment of a first-class, finished exhibition. This, with the friendly rivalry existing between the growers, has given them a high degree of excellence which seems to be seldom attained elsewhere.

It is in the matter of detail in which I noticed the greatest difference between the two exhibitions. The Massachusetts Horticultural Society believe that their exhibits of flowers should be presented in as tasty a manner as though they were to be used in some parlor or drawing room, and they, fortunately, have been able to spend much money in providing suitable vases for this purpose. Their small ones are all of clear glass of an artistic pattern, and their large ones are either glass or porcelain. This is an important consideration, as the effect of fine flowers is materially injured by being shown in unsuitable receptacles. Another thing which tends to make their exhibitions more attractive is the manner in which they cover their tables, that is, with white cloth on the sides and white paper on the top. It gives the exhibition a much more cheerful appearance and does not conflict in any way with the colors of the flowers.

Another matter of importance is the manner of staging flowers, and the Boston exhibitors have learned, what also must be learned sooner or later by exhibitors everywhere, that it pays to be particular about the arrangement of their flowers. It is not sufficient that the flowers be cut and simply stuck in vases, without reference to length of stem, the alignment of the blooms, when shown in specimen bloom classes, or the combination of colors. Many in departing from the old exhibition board system of showing flowers have gone to the other extreme and cut their stems much too long. This is a great mistake, for the flowers not only do not keep well but have a very untidy appearance. One flower will perhaps look you in the face while another will present a back view, and still another will be trying to hide itself beneath its neighbors, and so on through the entire collection. In this class of exhibits no flower should show more than one foot above the vase, and that in the rear row; the other rows in front should each be a little lower than the one immediately back of it, and the largest flowers should always be placed in the back rows. In large vases of blooms the long stem is another matter, and should, of course, be in proportion to the size of the vase.

Another difference which seemed to me to be slightly in favor of Boston, was in the variety of classes. While there were not so many as would seem desirable, the few they did get gave more variety to their show than was noticeable at Chicago. The Massachusetts Horticultural Society offers prizes in all the different classes of chrysanthemums with the object in view of keeping alive the interest in the many curious and beautiful varieties that are overshadowed by the giant Japanese kinds. Where the schedule does not designate any particular class, these monstrous blooms are sure to make up all the exhibits. The contrast offered by these other classes is very pleasing and is sure to attract the attention of visitors.

In plants, several of the Chicago specimens were equal to the best shown in Boston, but averaged smaller. The manner of staking practiced by some of the Chicago growers seemed to me to be an improvement upon that in use about Bos-

ton, the plants having a much lighter appearance, but their severely trained specimens would not be well received there. I was very favorably impressed with the management of the Chicago show, and Boston might learn some points to its advantage from there. Under continued wise management the Chicago chrysanthemum show should become the most important in the country, for the location is so central that they should have a very wide circle of contributors, and great numbers of novelties and seedlings are sure to be shown there.

I surely should not close this letter without making special mention of the magnificent collection of geraniums, which took all the first prizes at Chicago. They were marvelous, and the grower of them should have suitable recognition for his cultural skill. If such specimens could always be had at our exhibitions the geranium would never cease to hold the place it occupies in the estimation of the people. A. H. FEWKES.

Newton Highlands, Mass.

Chrysanthemums.

Chrysanthemums for 1897 will soon be things of the past. It will profit us to review and deduce what lessons can be learned from experience of the past year.

It seems to be generally admitted all over the country that the days of fancy prices have passed, yet there is great satisfaction in knowing that so far as this market is concerned a fair price can be obtained for extra good stock. The aim therefore must be to produce this stock and right now is the time to begin.

Go over your list of varieties throwing out any and all that have proved unsatisfactory. It don't pay to fool with them while there are a large number of others that are satisfactory. If you have tried any novelties and they have proved to be wanting in some quality that makes a good cut flower don't make too many excuses for them. Our experience has been that a variety that proved unsatisfactory the first year very rarely does much better the second. It is very interesting to note that such varieties as Mayflower, Bonnaffon, Mrs. Jerome Jones, Yellow Queen, Golden Wedding, etc., varieties that are old as chrysanthemums go, still are ahead of the newer kinds as is witnessed at the exhibitions.

After deciding what you intend to grow, take up the stock plants and give them the coolest and lightest house possible.

According to reports of the chrysanthemum committees, novelties will not be so plentiful next season, for which let us be thankful. What we really are in need of is a good pink (midseason). For want of a better we have to fall back on Maud Dean, a variety that would be all that could be desired if it would keep its eye closed. Can't some of our hybridists close that eye? There is money in it for him that does. Good whites and yellows are over abundant. G. S. Kalb is in our judgment the best introduction in whites for 1897, coming in early it fills a much needed want? I think that Elvena will will make a good companion in pink. Mayflower for Midseason fills the bill completely when grown as it was exhibited at the recent show. Modesto for yellow is a very fine color, but its stem is against it and it must take a back seat to Major Bonnaffon. Some of the novelties that promised good things in 1896 have proved disappointing. Evangeline that beautiful white has been especially so, the flowers spot before they are finished; it also has a bad habit of dropping its petals. Western King another promising white has been a disappointment owing to its poor growing qualities; this may possibly be overcome by care in selecting stock.

G. STOLLERY.



Chrysanthemum Modesto—Outdoor grown.

In the extreme south, on the gulf coast, interest in chrysanthemums has increased during the past season rather than diminished. Most of the new varieties have been tested under such conditions as the climate affords, and usually in the open garden. It is astonishing how few of them stand the test and are able to bring their flowers to perfection. Sundew and Mrs. H. Weeks probably gave the best results of last year's introductions. Modesto is by far the best variety sent out in recent years and the treatment is simple, with almost certain results.

The flowers shown in the illustration were grown in raised beds in the open air and protected against weather after the buds began to show color. The scale shows the size. They measured, average, twenty-two inches in circumference, with the tape measure drawn closely around them and could have been shown with five feet of perfect foliage and able to stand without support. The leaves were of the richest green and nine to ten inches long. The south suggests Modesto as the king of yellows.

Chicago Chrysanthemum Committee.

The chrysanthemums before the Chicago committee, November 27, were Wm. H. Chadwick, from Grove P. Rawson, Elmira, N. Y., inc. Jap., pearly white, inside of petals suffused with pink, giving it a beautiful coloring much the same as found in the Carnot rose. In style of flower it resembles Mrs. Jerome Jones, but full to the center, stem and foliage grand. President Chadwick, of the Horticultural Society of Chicago, who was present, seemed much taken with this variety, named for him.

Mrs. Wm. B. Brown, from Theo. Bock, Hamilton, O., is a Chinese, color white, somewhat after the style of Mrs. L. C. Madeira, incurved, pointed petals, slightly tipped with green, giving it a rather dull appearance and hardly up to the standard of other fine whites in commerce today. The stem and foliage are good for the size of flower.

Cincinnati Chrysanthemum Committee.

Six seedling 'mums were presented for the inspection of the committee Saturday, November 20, and while the number shown was one of the largest of this season, the quality was certainly the least desirable. The only one of the set that scored the necessary number of points to secure a certificate was Mrs. C. H. Peirce, exhibited by Fred. Dorner & Son, Lafayette, Ind. The blooms arrived in good shape; flower a bright yellow, size medium, petals straight, similar to Lincoln.

E. G. Hill & Co. exhibited two vases, as also did Nathan Smith & Son, Adrian, Mich. One of the best on the table was Mrs. Wm. B. Brown a delightful pure white flower, globular, size medium, stem bold and foliage up to bloom; good for commercial and exhibition purposes. This gives promise of being a valuable variety. Theo. Bock, of Hamilton was the exhibitor. H. SCHWARZ.

Chrysanthemum Notes.—Philadelphia.

Three new candidates for public favor lined up for examination last Saturday. One from Reading, forwarded by Ferdinand Heck, gardener to George F. Baer, Esq., is a sport from that grand old variety, Mrs. Jerome Jones, and appears to resemble it in every way, excepting in color which is a sulphur yellow. Mr. Heck has a prize sure in this variety, especially if it possesses the sturdy constitution of its parent, and we are assured by the originator that it does.

Grove P. Rawson, Elmira, N. Y., sent on his creamy white incurved Japanese variety, "W. H. Chadwick." In color, petalage and form it was fair, fullness, size and stem, good.

Wm. K. Harris exhibited one which he has named "Our Dear Friend," presumably because he believes it to be a money maker. It is beautifully incurved and fine in form, with excellent petalage, making it a good one for shipping, good in size and color.

Thus endeth the chrysanthemum season for 1897, that is to say, as far as the C. S. A. is concerned; though I suppose if any person has what he thinks is a good enough one to entitle it to a certificate and give the committee ample time to meet, they will deliberate over it and award points according to its merits.

There appears to be a falling off in the number of chrysanthemum seedlings this year in this city. Many of the old standbys who have done good work in the past did not exhibit at all, so far as I can learn, during the present year. The price paid for seedlings with the control of the stock for dissemination, is not so good as it was at one time, and this may in a measure account for the number shown having fallen off. Ten or a dozen first-class new varieties is enough.

I was pleased to see President Wood come out in the last issue of the FLORIST, explaining the course of the Chrysanthemum Society, and it is to be hoped that everybody is satisfied now.

PHIL A. DELPHIA.

Work of the Chrysanthemum Committees.

Since last report the following seedlings have been examined:

CHICAGO, November 20.—Mrs. C. H. Peirce, exhibited by F. Dorner & Sons Co., La Fayette, Ind., Jap. deep yellow, commercial scale 90. Stellata, exhibited by Nathan Smith & Son, Adrian, Mich., Jap. ref. yellow, commercial scale 83. Rustique,

same exhibitor, Jap. inc., light bronze, commercial scale 85. Merza, same exhibitor, Jap. inc. white, commercial scale 85. Madison, exhibited by E. G. Hill & Co., Richmond, Ind., Jap. inc. bronze, commercial scale 79. November 27.—Wm. H. Chadwick, exhibited by Grove P. Rawson, Elmira, N. Y., Jap. inc. pearly white, commercial scale 93. Mrs. Wm. B. Brown, exhibited by Theo. Bock, Hamilton, Ohio, inc., white, commercial scale 78.

BOSTON, November 20.—Arline, exhibited by Nathan Smith & Son, inc., white, commercial scale 87; exhibition scale 90. Thornden, same exhibitor, Jap., deep chrome yellow, commercial scale 92; exhibition scale 94. Mrs. C. H. Peirce, exhibited by F. Dorner & Sons Co., Jap., bright yellow, commercial scale 91. November 27.—Wm. H. Chadwick, exhibited by Grove P. Rawson, Jap., inc., white, commercial scale 92; exhibition scale 93.

PHILADELPHIA, November 20.—Spottswood, exhibited by Robt. G. Carey, Chestnut Hill, Phila., inc., commercial scale 91; exhibition scale 88. Minnewaska, exhibited by John N. May, Summit, N. J., Jap., pink, commercial scale, 81; exhibition scale 77. Dolores, same exhibitor, commercial scale 84; exhibition scale 83. Mrs. C. H. Peirce, exhibited by F. Dorner & Sons Co., inc., yellow, commercial scale 90; exhibition scale 87. November 22.—Wm. H. Chadwick, exhibited by Grove P. Rawson, Jap. inc. blush white, commercial scale 89; exhibition scale 89. Sport from Mrs. Jerome Jones, exhibited by Ferdinand Heck, gardener to Judge Baer, Reading, Pa., Jap., inc., light yellow, commercial scale 90; exhibition scale 90. Our Dear Friend, exhibited by W. K. Harris, Philadelphia, Pa., Jap., inc., canary yellow, commercial scale 89; exhibition scale 88.

NEW YORK, November 27.—Wm. H. Chadwick, exhibited by Grove P. Rawson, Jap. inc., white, commercial scale 86.

CINCINNATI, November 20.—Arline, exhibited by N. Smith & Sons, Adrian, Mich., inc., white, commercial scale 84. Rustique, same exhibitor, bronzy yellow, commercial scale 73. Mrs. C. H. Peirce, exhibited by F. Dorner & Sons Co., Jap., ref. yellow, commercial scale 87. No. 169, exhibited by E. G. Hill & Co., Jap., inc., white, commercial scale 81. Wm. B. Brown, exhibited by Theo. Bock, Jap., inc., white, commercial scale 84.

Stelleta was exhibited as Clio, the change being made to avoid a clash with Clio exhibited this season. Thornden was shown as Golden Gem. This change became necessary as the latter name has been applied to a chrysanthemum. In last report No. 111 (Bessie Hollis), shown at Chicago, should have read 83 inttead of 87 points.

ELMER D. SMITH, Sec'y.



NEW CHRYSANTHEMUM WM H CHADWICK

Impressions of Eastern Floriculture by a Western Florist November, 1897.

A prominent western florist returning from a three week's trip through the east tarried long enough in Chicago to give a few rough notes of his sight seeing.

In the vicinity of Boston nearly all the growers seem to be devoting their best efforts to producing a large stock of the Boston Fern and as the result, there is almost no stock in sight of 4 inch size or larger, everything having been sacrificed in the effort to produce a large quantity of 2-inch stock. This stock is grown here entirely in the benches—very little stuff being seen in pots—and possibly it may be due to this that western purchasers have had occasion to find fault with the condition of the stock received. The growers all through the Cambridge district seem to be having a good retail trade in addition to their wholesale orders for the fern. At "Little Woodie's" I saw the only plants of Flora Hill growing with good stiff stems.

At Beckert's place there was a fine lot of Azalea Simon Mardner and Deutsche Perle which were in fine shape for Thanksgiving, being an unusually fine lot for so early in the season. Mr. Beckert is likely to surprise the Boston florists with Von Sions at Xmas. At West Newton, Mr. E. J. Wood is growing Flora Hill in exceedingly good shape, the stem being stronger than seen elsewhere. He has some very promising seedling chrysanthemums which we will likely hear from later.

At Brighton, Elliott's asparagus house was of course a point of special interest. He grows the plants until they are four or five years old before renewing although the older ones show considerable naked growth at the base before throwing out fronds. In order to get a good light in his house he cuts three rows of strings and lets the next three grow, in this way giving openings to the bed for the light. He has a fine lot of Bougainvillea Sanderiana in 6 or 7-inch pots which will undoubtedly bring him good money next Easter.

At Queens, L. I., C. W. Ward's houses are a delight to all visitors. His carnations are looking exceedingly well. New York is a promising new one of good size although not the largest. The stem is strong and long and color clear, being between Scott and Daybreak. From the appearance of the plants in the benches this is likely to prove a very free bloomer and is certainly a new variety of great promise. Maceo is another new variety which will probably attract a good deal

of attention on account of its color. It is very dark—considerably darker than Meteor—and yet the color is pleasing. The size is only medium and the stem not long but it is such a distinct class by itself that there will doubtless be a demand for it. White Cloud is a fine white of large size but from appearances is not going to be a very free bloomer. John Young, another one of Ward's new ones, is a good white not so large as White Cloud but with a long strong stem and every evidence of being a very free bloomer.

Julius Roehrs at Carlton Hills is growing orchids in large numbers; and must be preparing to supply nearly all New York with valley from the appearance of his houses. At this place they are growing a large number of diminutive azaleas for florists use in working up baskets of flowers and they will doubtless prove exceedingly useful. From the appearance of the orchid house Mr. Roehrs must be making money if any one can make money out of orchids and the report from all orchid growers is that there is a demand for everything they can get.

At Tarrytown, the principal feature of Mr. Pierson's place is his stock of Pandanus Veitchii. It would be hard to imagine anything finer than the color he has in his plants of medium size.

At Summit, N. J., Mr. May is growing Lily Dean to perfection. Could others grow this variety as he does it would be hard to beat. The rose Clara Watson is being grown quite extensively by Mr. May and is surprising him as well as others by its very vigorous growth. Nothing on the place except Beauty is growing so strong. All the stock on this place justifies the very high reputation which Mr. May holds.

At Philadelphia one is perhaps most strongly impressed by the spirit of good fellowship which exists among the florists and on the contrary there seems to be an entire absence of this feeling in New York and this may account in a measure for the chilly atmosphere at the N. Y. Flower Shows. Mr. Robert Craig has as usual a large stock of palms in all varieties and all in fine condition. His stock of crotons are especially attractive. A number of these were planted at the best season on Mr. Craig's lawn and made a very fine display. They were brought in early and seem to rather enjoy the treatment they have received. Mr. Craig is preparing to furnish Crimson and Yellow Rambler in large numbers for Easter. His stock of Asparagus Sprengerii is especially fine. He is growing Livistonia rotundifolia planted out in benches and seems to be having good success with it. I may also add that Mr. Craig is one of the few men who succeed in carrying over azaleas. His carried over stock looks much finer than that recently imported.

Wm. Craig has a fine lot of Boston Fern in 6 to 7 inch pans which he is selling at $2 each and which he ought to find profitable at that price, but the scarcity of these sizes ought to enable him to dispose of the stock with little difficulty. He has a wire carnation support which has many points of excellence to recommend it, not the least of which is its low price. At Lonsdale and Burton's, Beauties are being grown in solid beds and seem to be doing well. The blooms which they are shipping are certainly hard to beat though neither of these gentlemen speak very confidently about the wisdom of this manner of growing. They seem to look at it still in the nature of an experiment. Mr. Burton is bringing on a fine lot of Brunners for Christmas.

Mr. Redfield, of Glenside has an unusually nice stock of 2-inch ferns in variety. He seems to be a very successful grower in this line and seems to find it profitable. They appear to have some trouble here and in fact nearly everywhere with Pandanus utilis.

At H. F. Halle's, West Madison street, Chicago, I saw the most artistic window, barring Thorley's, of the whole trip.

take lots of water and need looking over two or three times a day, and by the middle of August they will be ready for the final shift into 10-inch pots, using a little heavier and richer soil at this potting. Also pot good and firm or they will get away from you and become straggling. After the pots are well filled with roots use a weak application of liquid manure



GERANIUMS—CHICAGO SHOW 1897. GROWN C. W. JOHNSON

Geraniums.

If we want to have good specimen plants of the geranium, clothed with luxuriant blooms and foliage, the most important point to be considered is to keep them in steady growth all the time from start to finish. If they are wanted for the fall chrysanthemum shows choose clean healthy stock from 4-inch pots about the middle of May. Shift them up into 6-inch pots, using a good rich light compost, and see that the pots are well drained. Place in a light airy position where they can get the full benefit of the sun as near the glass as practicable, to insure a nice stocky growth. Water rather sparingly. I find it better to keep them a little on the dry side than too wet. Remove all buds as they appear and pinch out the ends of the shoots every little while to keep them dwarf. If they are getting the proper treatment they will be making very rapid growth in a little while and by the middle of July, will be ready for another shift into 8-inch pots, using the same soil as before. Pot rather firm but do not pound the soil. They will then require but little attention for a while except to remove any yellow leaves and see that they are not neglected in regard to water, for at this time they about twice a week, but do not apply when the soil is too dry; in which case give them a watering with clear water first. If the plants are wanted for the first week in November allow the buds to come about six or seven weeks previous to this and keep in a dry temperature of about 52° at night with plenty of ventilation on all favorable days.

C. W. JOHNSON.

Carnation Notes.

The weather is getting now so that the proper carnation temperature can be maintained, and should be as even as is possible, as that is essential in producing fine carnations. We keep a night temperature of from 52° to 54° on all our carnations, with the exception of Daybreak, which does best a little cooler, and Lizzie McGowan seems to do best with a night temperature of about 55°.

On bright days raise the ventilators a trifle, as soon as the temperature reaches 60° from the sun shining on the glass, raising them gradually as the temperature rises until on bright days the normal temperature of 70° is reached without any artificial heat, though it is better to have a little steam running through the



STORE OF F. EDWARD GRAY—LOS ANGELES CAL

pipes to prevent any cold draughts.

Lower the ventilators the same way as the temperature falls, and have them closed by the time the temperature reaches 58°, when steam should be turned on to prevent a sudden fall. Never let your houses go below a night temperature before turning on steam. On dull and murky days keep a temperature of 60° with a crack of ventilation.

We are now approaching the holiday season and the extra prices obtained for the flowers at that time tempt many to run their carnation houses with a higher temperature to get a big cut at that time, but this is a serious mistake, as the result of the few extra blooms at Christmas will be weak stems and small flowers for some time after, not counting the injury to the plants which the unnatural temperature causes.

If fumigating is the means used for keeping down greenfly, do it lightly and often, for if greenfly once gets a foothold in the young growths it is a hard matter to rid the plants of them, but always fumigate *after* the flowers have been cut.

WALLINGFORD, CT.—The greenhouses of Geo. H. Rowden were burned on the morning of November 24. The establishment was practically ruined and the loss on buildings and stock is estimated at $5.000. The origin of the fire is unknown.

Cypripedium Charlesworthii.

The subject of the accompanying illustration has worked its way into the hearts of orchid lovers on account of its distinct and beautiful character. It does not appear to have created quite the sensation that the one which seems to be its nearest relative in habit of growth enjoyed, namely C. Spicerianum.

In conversation a short time ago, respecting the subject of this sketch, Mr. Alfred Dimmock stated in relation to its history as to its probable discovery briefly as follows: "A gentleman in Bradford, Yorkshire, England, had a brother prospecting in the Stan States, East Indies, and discovered the plant in his travels, and being interested in orchids was much struck by its wonderful diversion from any cypriped known to him. He dispatched a few plants home to his brother, which were afterward purchased by a wealthy merchant named Charlesworth, with whom they eventually flowered and were exhibited by this gentleman in London, creating considerable amount of excitement, especially as it differed from any species hitherto introduced from the tropics. Its popularity was soon established and its native country divulged, so much so that such large importations have found their way to Europe that today wherever cypripediums are grown in any quantity Charlesworthii may be found."

I find in the *Orchid Growers' Manual* (Williams) that this striking cypripedium was exhibited before the Royal Horticultural Society on September 26, 1893, by Messrs. Charlesworth, Shuttleworth & Co., so that it has not been so very long in cultivation, for an orchid. Its resemblance in growth to C. Spicerianum has frequently been commented upon by orchid experts and some have gone so far as to say that Spicerianum *may* be one of its parents and that collectors are on the *qui vive* to find the other parent. The formation of the flowers of each of the varieties is, however, very distinct from the other. It is apparently a variety easy to manage, though at one time I was not inclined to think so, and because I have had occasion to change my mind is the main reason why this is being prepared for the AMERICAN FLORIST.

I had an unfortunate experience with it last year, so bad did the plants look that I was afraid I would lose the whole lot. The leaves were so thoroughly affected with spots which destroyed the tissue so effectively that the plants became an eyesore. They were growing, or rather barely existing, in a shady palm house, where the temperature would frequently be as high as 65° at night in

the winter time. On this disfigurement of the leaves becoming so manifest, I attributed it to some fungous disease and sprayed the plants with copperdine; this killed the growing sphagnum completely. The plants were removed to a rose house where the temperature rarely reached 60° at night and they were subjected to more light and air. After what seemed to be a long time the plants began to show signs of improvement, and they have continued to improve ever since. We have now come to the conclusion that the spots upon the leaves are not the result of fungous disease but that of an orchid insect. In the house where they are growing we have evaporating pans attached to the steam pipes and in these pans we put liquid tobacco for the purpose of killing the green flies (aphis), and no doubt the vapor from the nicotine is responsible for the death of this insect which appears to be peculiar to orchids. We have found the little fellow and we believe him to be a species of beetle. The next chap we capture will be submitted to an entomologist just to find out where he shall be placed.

The plant which we had photographed, and from which the illustration is made, was growing in a 3-inch pot. There are few varieties of cypripediums which will produce five flowers at one time in so small a pot. I do not know of any other that will bloom so freely. To those who have not seen flowers of this species, the dorsal sepal is broad and flat, two and a half inches wide, in color rosy pink veined with white, pouch brown—petals are also brown. In a batch of plants received before they have flowered will be found many variations from the above description. Some have self-colored rosy purple sepals and darker brown prevails in other parts of the flower, and I have one which I prize very highly. This has a delicate pink dorsal sepal and yellow pouch. Some of the plants we have here have produced somewhat short stems, so short that some of the retail florists have complained about them on that account. We hope, however, to remedy this defect when we have given our different method of treatment a more extended trial, for we notice indications of longer stems coming on the plants which have bloomed later and are on the stronger growths.

It is of interest to note that Carl Blomberg, gardener to Oakes Ames, Esq., North Easton, Mass., sent one hundred flowers of this cypripedium to the American Institute show recently held in New York, among which were a number of different varieties, including one bloom of the variety known as C. Charlesworthii unicolor. Does not unicolor belie its name? It is *not one color* any more than the other varieties, but it has a much smaller pouch and the pouch is darker than the type. Who can explain why it was thus named?

We have some tiny seedling plants the result of crosses from this species where insigne, Leeanum, Lawrenceanum, Spicerianum and some others are the other parents. These will be watched with some impatience and great interest, with the hope that something valuable will be produced. There may be no money in raising seedling orchids but it is mighty interesting. EDWIN LONSDALE.

PEORIA, ILL.—Mr. Geo. A. Kuhl now occupies the whole building at 413 Main street as a cut flower establishment.

Read "Special Offer to Subscribers" on first page.



CYPRIPEDIUM CHARLESWORTHII.

Buffalo.

MARKET CONDITIONS.—VIOLETS EXCEEDINGLY SCARCE.—NEW RETAIL STORE OF HARRY J. MILLATT.—VARIOUS ITEMS.—A VISIT AMONG THE CRAFT.—MR. KEITSCH'S NEW AMERICAN BEAUTY.

We are having quite a little touch of winter here, and the ground is frozen so hard as to put a stop to outside planting. The market is about cleared out of 'mums, though a few fair blooms are still to be had. There seems to be plenty of roses of common grades, but first-class stock is scarce and high. Carnations are fine and in good supply. Violets—well, violets, that is good ones, are hard to come by honestly. Most of those in market are shipped stock and almost odorless. The near-by growers do not seem to be in it at present, but I hear that all of them will have a big crop for next summer. Corfu, which usually produces a great many violets, is at present a desert, and but a very few are coming in from Lockport. There is a rumor that Palmer has some good ones out at Lancaster, and I am going out to see some day when I know that the proprietor is not at home. I don't know what the trouble is; it can't be the "disease," for that is as rare as carnation rust. They seem to be like the "wicked flea." "Put your finger on him and he ain't thar." We do not see many flowering plants in the stores yet, though Scott had some nice Chinese primroses in his window to-day.

We are to have a new retail store on Main street, and Harry J. Millatt is at the bottom of it. Mr. Millatt has had long experience both here in Buffalo and in Elmira, where he has been for the last few years with Rawson.

Stafflinger finds his Seneca street store too contracted for his business and is adding a branch on Elk street.

Buddenborg, not satisfied with the profits of what is undoubtedly the most lucrative business going, has branched out as a grower and has erected some glass somewhere in the great south side district, just where I do not know, but when I get time I am going to hunt him up, and then I will tell you all about it.

Last Saturday afternoon I started out to do the west side establishments, but failed to finish many. You do not know until you try it what a large contract it is, not merely on account of the size and number of the places and the interesting things to see, but because they are such hospitable places that it is hard to break away. The start was made early and

the first stop was at the Niagara, where is one of the finest specimens of Pritchardia pacifica to be found in the country. A speedy adjournment was made to Mrs. Lewis' private place, as we were in search of Mr. Fitzwilliam, the gardener. We found Mr. F. just recovering from the 'mum fever, and judging from the remains I think he had it pretty hard. It is wonderful how fine some of the old varieties are when well done, Col. H. M. Boies for instance that would be hard to beat with any of the newer varieties of its color. But the chief glory of the place just now is the show of cypripediums. Of insigne and its varieties there is a grand lot of well flowered plants, and some fine pieces of Stonei and Spicerianum. There are some good vandas too and well flowered plants of Dendrobium Phalænopsis Schroederæ, and D. formosum giganteum. A house of mixed roses, Beauties, Perles, Brides, Carnots, etc., was in very fine condition and full of bloom, showing what can be done under rather adverse conditions, though they have a plenty of good fresh air from Lake Erie, which is a great help. We found Mr. F.'s assistant on his knees before the mushroom beds, which are quite extensive, and it seemed from the appearance of the numerous buttons that his genuflexuous had been successful.

At Mr. Albright's home on West Ferry street we found everything looking just about as near right as could be expected under the circumstances. Mr. Swift is a *gardener* and has a genuine love for plants. The glass, however, is not of such character as to produce the best results. There is a very pretty conservatory here containing some exceptionally fine plants, but the growing houses are utterly inadequate to keep up a succession of young decorative plants. We saw here the finest lot of Cattleya Percivaliana that I have seen this year—all extra fine varieties. Here too we saw some canes of Dendrobium Wardianum that promise well for bloom. The collection of orchids here is quite varied and contains some extra fine specimens. Some time I must write you about some work that Mr. Swift has been doing outside, work of more than ordinary merit.

The last stop was made at Scott's, but as he was not at home, and we did not wish to take any unfair advantage, and being a long way from our base of supplies, we prudently deferred our examination of the houses.

Extra! We have just heard of a new American Beauty that promises well. It is a daughter, and Mr. Chas. Keitsch is happy. C.

OBITUARY.

William Grey died on Thursday, November 25. This will be sad news to many a gardener and florist who knew the grand old man. No kinder-hearted man ever lived than William Grey. He was a man of the most generous impulses, unselfish and thoughtful always for the comfort and welfare of others. He was thorough in all he undertook and upright in all his dealings. It was his pride that he owed no man a penny. His death removes one of the landmarks of the profession and he will be greatly missed.

William Grey was born in Scotland on February 14, seventy years ago, and came to this country at the age of twenty-two. He filled several positions as head gardener until he finally settled with Erastus Corning at Albany, N. Y., some forty years ago, where, as is well known, he established the largest collection of orchids in this country at the time, and so increased it that it rated among the finest in the world.

He was a reader and student all his life and was much devoted to his fine library. He did much to advance the art of gardening, both in his practice, which was liberal, and by his writings, having been a frequent contributor to the horticultural periodicals of earlier days. In connection with the cultivation of plants, in early life he took up the study of insect life, and at his death left one of the best entomological collections in America.

He was a Mason and Knight Templar and belonged to the St. Andrews Society of Albany, the Albany Caledonian Club, of which he was the first chief, and other societies. His old friend Wm. R. Smith, of Washington, sends us the following heartfelt tribute to his memory:



THE LATE WILLIAM GREY

The sad news of William Grey's death fills me with dismay. I am led to exclaim with Charles Lamb, "All are gone, the old familiar faces." An acquaintance of nearly forty years, made during honeymoon times and renewed annually at one place or another, always with great pleasure and profit intellectually and professionally, to me, at least; he was acute in his observations, exact in his description of natural objects, well read and perfectly honest in his expressed opinions. A friendship with such a man was a joy indeed.

As a high priest in orchid culture and one of the best all-round plantsman in the United States, it will be long ere we meet his like again. His essay on orchid growing for the New York Club, and his catalogue of orchids, are both out of print. I think they are valuable, especially for beginners.

I might mention many things of him as a social companion, but this is not the time. W. R. SMITH.

Botanic Garden, Washington, D. C.



CHICAGO SHOW, 1897—DECORATIVE GROUP OF GEO. WITTBOLD.

Parkersburg, W. Va.

The first chrysanthemum show ever held in this city was a credit to our florists and quite a treat to the public, but was not nearly the success financially that was hoped for. The weather was against us, it having rained the whole week. Being the first exhibition of this kind, there were no prizes awarded, although the flowers shown would have won prizes at any show.

The principal exhibitors were Dudley & Son, who showed decorative plants and 'mums; G. A. Hichles, showing principally decorative and blooming plants; and G. Obermeyer, who confined himself almost exclusively to chrysanthemums.

G. O.

Boston.

QUIET AFTER THE THANKSGIVING RUSH.—FLOWERS MORE PLENTIFUL AT LOWER PRICES.—CHRYSANTHEMUMS NEAR THEIR END.—CHILDREN'S HERBARIUMS ON EXHIBITION.—FRANK WALSH RECOVERING.—A LITTLE RECEPTION.—VISITORS.

The customary reaction after a holiday has been experienced in the cut flower trade since Thanksgiving Day and stock has begun to accumulate once more in the supply centers. It has not been possible to maintain prices at the Thanksgiving notch although there was nothing about them as quoted in this market either unseasonable or unreasonable for the season as average quotations. All indications point to a range of lower rates this coming winter than heretofore and the discrepancy between the Boston market and those of other large distributing points is practically a thing of the past. Carnations are coming in more freely than during the past month, quality averaging high but prices resist any permanent advance. On roses some favorable prices, from the growers' standpoint, are quoted but after one has seen the high quality of the selected stock that must be provided in order to realize these figures it is easy to realize that the average prevailing prices are far below these top figures. Chrysanthemums are about finished as a factor in the market. A few fine late ones are available, among which it might be noted that Wm. Edgar is sending in some fine Minnie Wanamaker that bring $1.50 per dozen and it is difficult to find anything that will run any higher. Violets are coming in more freely and selling at an outside price of $1 per hundred.

The annual exhibition of dried and pressed specimens of native plants, flowers, grasses, sedges, ferns, etc., collected and mounted by the children, was held at Horticultural Hall on November 26 and 27. The exhibits were better than ever before and highly creditable to the young contributors most of whom were under fourteen years of age. The specimens were displayed on tables there being sufficient to fairly fill both halls. Several exhibitors showed over one hundred species and varieties, botanical and common name, habitat, etc., being specified on each card.

Frank Walsh of the firm of John Walsh & Son, Melrose Highlands, who was accidentally shot a week ago Monday is improving and is now considered out of danger. He had a very narrow escape.

A little reception in a quiet way to Edmund M. Wood is on the list for Thursday evening of this week by a few of his more intimate friends in the business.

Visitors in town: Paul Berkowitz of Bayersdorfer & Co., Philadelphia, Winfried Rolker, New York, James Paul, Lenox, Mass.

A New Bedford Specimen.

The illustration shows a plant of W. H Lincoln grown by James Garthley and shown at the New Bedford exhibition, which was pronounced by Mr. A. H. Fewkes, who judged the plants, to be the finest plant he had seen, unexcelled by any specimens ever exhibited by the noted Boston growers. Note especially the size and evenness of the blooms, the abundance of foliage, the absence of visible stakes, small size of pot and dwarf character shown in height of plant as compared with its great spread. Mr. Garthley also appears in the photograph.



CHRYSANTHEMUM PLANT—NEW BEDFORD SHOW, 1897. GROWN BY JAMES GARTHLEY.

Denver, Col.

THANKSGIVING TRADE.—ROSES GOOD.—AN ARTISTIC CHRYSANTHEMUM DECORATION.—SALVIA AND METEOR ROSES EFFECTIVELY USED.—NEWS ITEMS.

Thanksgiving in Denver was accompanied by rather more than the usual demand for flowers, with a fair supply of good quality. The unusually warm weather brought chrysanthemums early, and the demand for Thanksgiving exhausted the supply except a few late ones held in cold houses for Christmas. Roses are good, and enough for home use, carnations rather scarce, but fine and good. Mr. Jacobson of the Park Floral Company has some unusually good Cartledge, also fine mignonette. Fred Hall is sending in some good roses from the Gallup place at University Park. Denver climate and soil can beat the world in Wootons, the stems and substance vie with the Beauty.

Weddings have been plenty this fall, but no elaborate decorations. The present style of bringing out young debutantes at an afternoon tea hardly suits the florists, as decorations are very simple compared with the elaborate parties so much in vogue to introduce the pretty buds a few years past. A reception a few weeks ago was particularly attractive. Yellow chrysanthemums, asparagus, glimmering with small electric lights, framed a bower in a large hall, where pretty maidens served the frappe. The table was decorated with French wired bows of yellow ribbon, while the entire room was effective in yellow mums tied and twisted with ribbon to match their fluffy heads. In the parlor electric lights peeped from bouquets of pink roses on the mantel, and a Royal Danish jardinier on the piano held a hundred long stemmed Maids. The dining table was in valley, with green and white ribbons and the room in pink chrysanthemums.

As Denver has not received so much attention as she deserves the past two months, it may not be amiss to mention a dinner table arranged just before frost. Twenty guests were seated at a round table in one of the most beautiful banquet rooms in the city. A tall embossed vase held an immense bunch of salvia, around this ten baskets of Meteor roses were tumbled, each handle tied with wide scarlet ribbon, eight crescents of salvia surrounded these with large bows where the points came together, making a continuous garland in Dresden style around the table. The baskets were given to the ladies as favors while the gentlemen had Meteor roses.

Mr. Valentine, president of the Park Floral Co., has just returned from the East, where he has called on the leading florists.

Perry Gallup, of the Gallup Floral Co., will play football and in consequence of the Thanksgiving game has a broken collar bone, which rather interferes with work at Pueblo, where he is laying out and superintending a new fifty acre park for the city, his plans having been accepted in competition with eight or ten older heads. This necessarily takes him from Denver while good weather lasts and will give him enough to do when spring opens.

Christmas always comes a few minutes after Thanksgiving and florists are looking for shipments of holly and green which will be the most popular decoration for the next month.



NEW CARNATION ARGYLE.

One of the leading department stores of the city has just put in flowers; if plate glass and white tiles and stylish surroundings can draw custom, they will get it.

Cincinnati.

GENERAL IMPROVEMENT NOTED.—SOME FINE BONNAFFONS AT THE FLOWER MARKET.—VIOLETS SCARCE.—MR. ED. FRIES ON THE SICK LIST.—BOWLING NOTES.

I am glad to be able to report a general improvement in the cut flower market. Since the first of last week there has been a steady improvement, until at time of writing, values have increased fully 50%. The last week's business may be recorded as one of the best this fall and for the first time it has been in favor of the wholesaler, and also satisfactory to the grower. Thanksgiving brought a decided increase in business especially in cut flowers; pot plants move slowly. All our store men report having done a big trade and in most cases much more than was anticipated. There was a scarcity of violets felt on Wednesday and the wholesale dealers were using the wires in all directions. Roses, carnations and 'mums were sufficient to meet the demand.

At the Sixth street flower market several vases of Bonnaffon and Dailledouze, as seen at Charles and Will Pfeifer's stand, were hard to beat, one vase of 50 Bonnaffon at Pfeifer's stand made a gorgeous show and I doubt whether this grand variety has been shown in better shape at any of our late exhibitions. E. W. Mack has been cutting extra good Marie Louise violets, Sunderbruch's Sons receiving the whole output averaging 2,000 per week. The first cold spell this fall arrived here from Chicago on the 29th, on Tuesday the thermometer recorded 8° above zero.

I am sorry to report the illness of Mr. Ed. Fries; he is still confined to his room; the boys wish him a speedy recovery.

The store boys have organized a bowling club which will meet every Friday night, dues 25 cents a week. The club contains a number of good bowlers and promising youngsters. The following officers were elected: C. Critchell, president; E. G. Gillett, secretary; Frank Ball, treasurer. They bowled their first game last Friday night on one of Walnut Hill's fashionable alleys. Mr. W. Gray was high man, his two century scores being made on several difficult spares. The growers have also organized a bowling club, and will be heard from in the near future. H. SCHWARZ.

St. Louis.

BUSINESS FOR THE HOLIDAYS AVERAGES ABOUT SAME AS LAST YEAR.—A HOUSE WARMING.—JOS. F. DICKMANN SEED CO. INCORPORATED.—BOWLING NOTES.

Business on Thanksgiving day averaged about the same as last year, some dealers claiming an increase, while others claim the reverse. The supply was sufficient to meet the demand, with the exception of carnations and violets, Californias being exceedingly scarce, and wholesaling at $1.50 to $2.

The members of the club have received an invitation from Mr. C. W. Wors to a house warming next Saturday evening, it being the occasion of the opening of Mr. Wors' new store at 2740 Olive street, which was formerly occupied by Mr. Connors. "No flowers sold at retail" is a prominent sign in Mr. W.'s window.

The Jos. F. Dickmann Seed Co. has been incorporated with a capital of $20,000, full paid. The business was established by Jos. F. Dickmann, the president of the new company, in 1878.

At the meeting of the Bowling Club last Monday evening, the highest scores were made by Messrs. Beneke, Young and Kuehn. All members are requested to be present next Monday night as business of special importance is on hand.

Chicago.

MARKET CONDITIONS.—VIOLETS SCARCE, 'MUMS NEARLY OVER.—FUNERAL OF FRANCIS LUDLOW.—DEATH OF MRS. K. SCHINDLER.—VARIOUS ITEMS.—VISITORS.

The market this week has been somewhat quiet, but stocks have not accumulated in any one line. The cut of roses appears rather light. In good stock the supply is nearly equal to demand, and the poorer grades are easily disposed of though at low figures. Beauties are still in fairly ample supply. Medium length stemmed stock has the call and brings proportionately better prices than extra long. While the latter may be had in quantity at $25 to $30 the medium easily commands $15 to $20, the proportion of rather short stemmed stock being very small. Meteors have suffered a little by the cloudy weather, but are comparatively free from bull heads yet. Brides and Maids are good on the average. Perles are in little demand and unless of real good quality rather slow to move.

The week opened up with a short supply of carnations but towards the middle and latter part stock ruled more easily, with the exception of whites, which are still rather scarce. Prices in this line have weakened a little in colored sorts of inferior grade particularly. The supply of violets is still limited, the better grades being far short of supply. Many houses in this vicinity which are planted to violets have not yielded a single blossom yet, although the stock is apparently sound and healthy and covered with plenty of buds, which, however are very slow in developing.

In bulbous stock valley remains in moderate demand, selling for from $4 to $5. Romans are more plenty and have dropped to $3 for average quality. Paper whites move rather slow at $3 and $4. Harrisii, considering the early season, are very fine and meet with a brisk demand at from $15 to $18 for the best.

'Mums are nearing their end. A few good blooms are still to be had, a few choice late varieties commanding $18 to $25, but the demand appears to have fallen off considerably. Flower buyers are now looking forward to something else.

At Reinberg's some exceedingly fine La France roses were seen, with stems averaging from 15 to 24 inches, color excellent and decidedly first-class in every particular.

Vaughan, McKellar & Winterson report a brisk demand for wreathing, holly, lycopodium, etc.

Among visitors in town were W. L. Morris, Des Moines, Ia. and S. H. Church, with the Vail Seed Co., Indianapolis, Ind.

The funeral of Francis Ludlow on Sunday, November 28, was very largely attended by representative florists. Among a score or more of beautiful floral pieces was a large standing crescent wreath from the Lincoln Park gardeners and a handsome casket decoration from Mr. and Mrs. Geo. Wittbold. The interment was at Graceland. Among those present were Aug. Dressel, E. Wienhoeber, S. J. Pearce, John C. Ure, R. J. Donovan, Chas. Hartwig, Geo. Wittbold, C. Stromback, Harry Packham, E. Newsome, John Lang and Wm. Chadwick.

Mrs. Katherine Schindler, widow of Wm. Schindler, 43 Marion Place, died Wednesday, November 24. Mrs. Schindler was a woman of noble spirit and sterling honesty, and esteemed by all for her genuine worth. The funeral was at Graceland on Sunday at 2 p. m.

New York.

BUSINESS QUIETED DOWN.—TESTOUT AND CARNOT ROSES ARE POPULAR.—CHRYSANTHEMUMS SCARCE.—THORLEY'S NEW DELIVERY SCHEME.

Trade quieted down immediately after Thanksgiving Day and ordinary conditions prevail once more. Brighter weather has improved the color and quality of stock in general, the receipts being also increased with a slower outlet, which has brought prices down to normal range.

Nothing specially new in tendencies has been noted in the Thanksgiving demand, but it is true that New York trade is inclined to prefer its roses in a less advanced stage of bloom and the roses on the wholesalers' tables are more in the bud form than in previous years. This is better for the retailer, better for the ultimate buyer and better for the reputation of the rose. In roses Testout seems to have taken a new lease of popularity and it is undoubtedly true that Carnot is beginning to be a favorite, deservedly so, the writer thinks. John H. Taylor is growing his new Dean Hole and proposes to give it a fitting formal introduction to the trade at an early date.

Business at the wholesale establishments is much more satisfactory than during the early part of the month. The busy season is now fully on and the wholesalers realize the necessity of hustling for the coming three or four months if they are to keep the roof over their heads through another long hard summer. Walter Sheridan has taken the latch off his door and put a spring on it, so now all one has to do is to push and there you are.

Chrysanthemums are getting scarce and prices are stiffening somewhat. Violets are more plentiful, top figures being $1.50 per hundred. Harrisii lilies are coming in freely and selling at $5 to $6. per hundred. Highest price on American Beauties is $4 per dozen, and there is a good supply.

Thorley now delivers his special orders on a white bicycle, with a nice brass sign suspended from the frame, the machine being ridden by a colored man by way of contrast.

Pittsburg.

THANKSGIVING TRADE GOOD.—A UNIQUE DECORATION BY LANGHANS & CO.

The Thanksgiving trade was fairly good with all the florists this year, and since then the demand has been about the same as for the previous few weeks, with prices very low on general stock, and it looks as though they would not improve much before the Christmas rush begins. Stock of all kinds is plenty, with the exception of violets, which have been rather scarce; the dark weather of the past two weeks has had a very appreciable effect on blooms, but not enough to cause any scarcity so far.

Messrs. Langhans & Co., Allegheny Market, put up a very unique decoration on Thanksgiving, the table arrangement consisting of a prepared, large wild Mexican turkey, standing on a base decorated with yellow chrysanthemums; the favors, numbering 150, were the wish-bones of chickens gilded, and within the bow a bunch of violets tied with pale green baby ribbon. The balance of the decorations were palms and foliage plants. Mr. Langhans had quite an experience in getting so many wish-bones, but after a regular hunt among restaurants and hotels he was successful. Mr. L. has been confined to the house for several days with an attack of tonsilitis, but is now able to attend to business part of the day. His assistant, Miss Mary Britenhaugh, is also laid up with a very severe cold.

Mr. E. C. Ludwig, Allegheny Market, reports business very fair, and plenty of funeral work in demand. He has a large decoration for Sunday night, consisting of the decorating of a large hall in which memorial services of one of the largest lodges of "Elks" in the country are to be held. Mr. L. says the decoration will be chiefly of palms, plants, etc., which will be in keeping with the occasion.

Business with Mr. Jas. Dell, 508 Smithfield avenue, is moderate for the season, and Mr. D. is satisfied that he is getting his share of it too. His Thanksgiving trade was all O. K., having had enough to clean up the stock ordered for that day.

Mr. Geo. W. Duff, 108 North Highland avenue, E. E., also reports trade very fair in his new location and looks for increased business in the near future, as the erection of a large department store building opposite to him will no doubt materially assist in bringing the people to that location; heretofore it has been mainly a residence street.

Mr. C. J. Ford, Jr., representing Mr. A. Herrman, New York; Mr. Thos. Hill, with D. Landreth Seed Co., of Philadelphia; S. S. Skidelsky, of Philadelphia, representing M. Rice & Co.; H. F. Michell, The Whilldin Pottery Co. and Robert Craig were recent visitors, and report trade very good. REGIA.

St. Paul.

TRADE FOR THANKSGIVING DAY ENCOURAGING.—SUPPLY EQUAL TO DEMAND.—VARIOUS PERSONAL ITEMS.—RECENT CALLERS.

Thanksgiving trade was very good, giving the florists an extra opportunity to be thankful they are not all in the poorhouse or dependent on charity. Stock was good with the supply about equal to the demand. Retail prices on roses ranged from $1 to 1.50 on the smaller ones, and $3 to $5 for Beauties. Carnations went at 50 cents per dozen and violets at 50 to 75 cents per bunch. 'Mums were in good demand selling at $1 to $3 per dozen.

The chrysanthemum season is about ended here and the demand for them is rapidly dwindling away. Frank Berry of Stillwater is still sending in a few good blooms.

Holly and bouquet green have made their appearance, the first harbingers of Christmas.

In roses there is a good steady demand for Beauties, which cannot be supplied by flowers grown here. Why some of our enterprising growers do not erect a range of houses for growing this beautiful rose and grow nothing else I cannot understand. Other roses are in fair supply, though a good many are being shipped in from Chicago and Milwaukee.

Carnations are fairly abundant, though there are not enough to go round. More good flowers could be sold here if obtainable. Violets are now coming in of fair quality. There is a good call for them, the demand being in excess of the supply.

Palms and ferns, umbrellas, 'mums and all ornamental and flowering plants meet with quick sales.

Hoitomt & Co., doing business on Western avenue, have sold out to Vogt Bros., this store now being conducted by August Vogt, and the place run by him on West Third street, being discontinued. C. Anderson has also recently started a store on Western avenue.

Chris. Hansen has rented a large store on East Sixth street, in the best retail district, and has a good display.

James Souwden is smiling over the advent of daughter number 5.

B. F. Brown, of Fitchburg, Mass., has recently set up a bag filling machine for L. L. May & Co. This firm report a very gratifying trade in packet goods.

Violet handkerchiefs have made their appearance here, and take well. There's nothing like knowing how to make your flowers attractive, and in this day of cheap boxes, wax paper, etc., there is no excuse for sending out flowers in old shoe boxes and other worn, soiled, second-hand affairs.

Norfolk, Va.

Mrs. C. Reynolds, the Huntersville florist, has sold out to Mr. L. G. Blick and has left for Ft. Wayne, Ind., where she intends to make her future home. Mr. Blick has made some substantial improvements about the place and has built an additional house for violets. He has also equipped a fine flower store on Granby street, one of the finest and busiest thoroughfares in town, and reports a marked improvement all along the line.

Messrs. Taggart & William have retired from the flower business.

HOMO.

The new Directory will be published February 1, 1898. Everything revised to January 1, 1898. Price $2. Advertisements for the Directory should be sent in at once. AMERICAN FLORIST Co., 324 Dearborn street, Chicago.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1898 will receive on request, a coupon for one five line want "adv." free, to be used at any time during the year.

SITUATION WANTED—As assistant in greenhouses; life experience. First-class references. Single; age 25. FLORIST, 9123 Erie Ave., Chicago.

SITUATION WANTED—By gardener; single; can furnish good testimonials from private and commercial places. Private preferred.
P G, care American Florist.

SITUATION WANTED—As assistant under foreman. Life experience (12 years) as grower. German, single; 2½ years in this country. Address
IOWA, care American Florist.

SITUATION WANTED—A young man seeks work in the greenhouses; well up in all branches. First class references. East preferred. Address
HELP, care American Florist.

SITUATION WANTED—By lady who has had 8 years' experience in making up designs; also as salesiady in A1 store. Address
A T, 1123 W. 9th St., Cincinnati, O.

SITUATION WANTED—By practical cut flower grower on first-class place. Capable to take full charge of place. Best references. Address
NIXON H. GANO, care Am. Florist.

SITUATION WANTED—By florist; 20 years experience in commercial greenhouses. No 1 rose and carnation grower. Experienced in all departments of the trade. B Z, care American Florist.

SITUATION WANTED—By young man experienced in rose and carnation growing. First-class references. State wages. Address
ALEX. MONTGOMERY, Wabun Rose Conservatories, Natick, Mass.

SITUATION WANTED—A thoroughly reliable, experienced cut flower man, as maker up, decorator, salesman, etc. Many years' experience. Only those wanting an A1 man need apply. Address
M R, care American Florist.

WANTED—A well recommended young florist for retail store.
H. F. HALLE,
548 W. Madison St., Chicago.

WANTED—Six plantsmen for palm and fern departments. Also two packers. State last employer.
ROSE HILL NURSERIES, New Rochelle, N. Y.

WANTED—Reliable fireman, steam boiler, and general helper for summer. Apply to
VAUGHAN, MCKELLAR & WINTERSON, Chicago.

WANTED—A steady man as night fireman to attend to two steam boilers. Wages $9.00 per week. Address with references,
K, care American Florist, Chicago.

WANTED—Experienced all round grower. Steady position to steady man. Apply in person. Single man preferred.
REINBERG BROS., 51 Wabash Ave., Chicago.

WANTED—By two practical growers to lease greenhouses, 10,000 to 20,000 feet of glass, with dwelling house and land, with privilege of buying. Greenhouses must be up to date in construction. Would take place about June, 1898. As we mean business we would be pleased to receive particulars in full. Address RELIABLE NO. 3, care American Florist.

FOR SALE—Who will give me a fair price for a five floral business now making $1200 yearly profit. Have other business. Must sell. Address
X V, care American Florist.

FOR SALE CHEAP—A florist and seed store in city of 50,000 inhabitants; business established 9 years. Reason for selling sickness. Will bear investigation. Address D, care American Florist.

FOR RENT—Eight greenhouses, all new full stocked, everything on the place that belongs to the business, all private trade; need $600 cash; the best chance for any man. Address
FLORIST, Box 73, Lawrence Sta., N. Y.

FOR SALE—Florist's single covered wagon; height about 5 feet, width about 4 feet, length about 7½ feet; built to order, costing $250. Used but two years. Will be sold cheap for cash.
VAUGHAN'S SEED STORE, Box 688, Chicago.

For Sale or Lease.

Three greenhouses containing 2,500 sq. ft. of glass. Only one in county in a town having a population of 5,000 inhabitants and growing place.

The reason of getting rid of the business is ill health. None but those meaning business need apply. Address
BOX 456, Martinsville, Ind.

FOR SALE.

At less than half its cost, or for rent, about 28,000 square feet of glass with grounds and modern 12-room dwelling, built a year and a half ago; greenhouse nearly new, all heated by steam, well stocked and in good order; located on street car lines between St. Paul and Minneapolis, and a well paying wholesale business established. A splendid opportunity for a good live man. Sale price, $10,000; rent $150 per month. If you mean business, address CHRIST HANSON, St. Paul, Minn.

Situation Wanted.

As gardener or general manager of gentleman's place; thoroughly understands his business; 23 years, references from last two places; now employed at one of the best and largest places in South Florida. Present contract expires January. Address
W. care American Florist.

FOR SALE.

Greenhouses in one of the best cities in Wisconsin. A good investment and a money maker for a hustler. Owner must retire on account of poor health.

For particulars write ELLIS & POLLWORTH, Milwaukee, Wis.

Read "Special Offer to Subscribers" on first page.

Pansies Worth Raising.

GOOD PLANTS, $2.50 per 1000, or $1.50 per 500.
LARGE PLANTS, $4.00 per 1000, or $2.50 per 500.
BLOOMING PLANTS, $1.50 per 100.
SEED, as usual. CASH WITH ORDER.

C. SOLTAU & CO.,
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PANSIES.

ROEMER'S SUPERB PRIZE PANSIES.

PLANTS, strong and bushy, 65 cts. per 100, by mail.
By express.....$2.00 per 500.
By express.....$4.00 per 1000.
Cash with order.

PETER BROWN, Lancaster, Pa.
Mention American Florist.

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Nice Plants, at $3 50 per 1000.
Cash with order.....

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BOUQUET GREEN.

Best Quality at Lowest Rates. We gather our own greens and bring by our own boat direct. Also Christmas Trees.

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S. W. corner Clark St. Bridge, CHICACO.

We are now Booking Orders for that Peerless New Yellow DAHLIA

Clifford W. Bruton.

It is an early and profuse bloomer, while the flowers are of immense size and grow on very long stems. Address

W. P. PEACOCK, ATCO, N. J.

	Per 100
SMILAX—Strong 1 year	$1.50 and $2.50
CLEMATIS—Leading kinds for fall	
PÆONIAS—Herbaceous, choice asst	8.00
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RED JACKET COOSEBERRIES—Very low prices.	
DOWNING COOSEBERRIES—1 and 2 year.	
DAISIES—Snowflake and Snowdrift	2.00
H. P. ROSES—In assortment	10.00

F. A. BALLER, Bloomington, Ill.



A. L. Vaughan. Chas. W. McKellar. E. F. Winterson

Vaughan, McKellar & Winterson,

Cut Flowers

—OF EVERY KIND—

HIGH GRADE Carnations, Roses, Violets, Orchids.

Christmas Holly, Bouquet Greens, Wreathing and Wild Smilax. Complete line of florists supplies.

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All Florists' Supplies.

19 & 21 RANDOLPH STREET,

Fine Stock a Specialty. **CHICAGO.**

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Wholesale Growers of

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41 WABASH AVENUE,

CHICAGO.

HEADQUARTERS FOR AMERICAN BEAUTIES.

Wholesale Flower Markets

CHICAGO, Dec. 3.

Roses, Beauties, long	25.00@30.00
" medium	15.00@20.00
" short	8.00@12.00
" Brides, Bridesmaids	3.00@ 5.00
" Meteors, Carnot	4.00@ 6.00
" Kaiserin, Testout	4.00@ 5.00
" Niphetos, Perle, Gontier	3.00@ 4.00
Carnations,	1.00
" fancy	1.50@ 2.00
Violets	1.25@ 1.50
Narcissus, Romans	2.00@ 3.00
Harrisii	10.00@15.00
Valley	4.00@ 5.00
Chrysanthemums	5.00@15.00
Adiantum	.50@ .75
Smilax	10.00@12.00
Asparagus	50.00@75.00

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Roses, Carnations and Smilax.

Oldest Growers South. Try us.

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PALMS, ORCHIDS, FERNS

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Importers of Seeds, Bulbs, etc.

New Fall List mailed free to all trade applicants.

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THE "OLD RELIABLE" FOR

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..Cut Flowers

of Highest Grade and complete variety. You can depend on our most faithful personal attention to your interests.....

HOLLY, GREEN, WREATHING.

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KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS SUPPLIES.

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WINTER & GLOVER,

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HIGH GRADE **CUT FLOWERS,**

PACKED RIGHT,

so they will reach you in just as good condition as they reach us.

WIRE DESIGNS: A Full Line. Write us for our Illustrated Catalogue.

Mention American Florist.

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Successors to J. B. DEAMUD & CO.,

GROWERS and WHOLESALE DEALERS in **CUT FLOWERS,**

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WHOLESALE

GROWERS OF CUT FLOWERS.

500,000 FEET OF CLASS.

We can fill all orders on short notice with all leading varieties of Roses and Carnations.

We ARE Headquarters for fine AMERICAN BEAUTIES

Give us a trial and convince yourself.

Salesroom, 51 Wabash Ave., CHICAGO.

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COMMISSION FLORIST,

88 WABASH AVENUE,

Consignments Solicited. **CHICAGO.**

Prompt attention to shipping orders.

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WHOLESALE CUT FLOWERS

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Telephone Main 3208. **CHICAGO.**

Prompt Attention to all Orders.

HEADQUARTERS in Western New York. Try us.

ROSES, CARNATIONS, and ALL KINDS OF SEASONABLE FLOWERS IN STOCK.

WM. F. KASTING, Wholesale Commission Florist,

495 Washington Street, BUFFALO, N. Y.

Also Dealer in Florists' Supplies and Wire Designs.

MacDONALD & McMANUS,

ORCHIDS EVERY DAY.

WHOLESALE DEALERS IN CUT FLOWERS,

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SOLICIT SHIPMENTS ON COMMISSION. BEST MARKET PRICES GUARANTEED.

SAMUEL S. PENNOCK, Wholesale Florist,

1612 & 1614 Barker Street, (Bet. Market and Chestnut), PHILADELPHIA, PA.

Fine crop of CYPRIPEDIUMS now ready, $12.00 per hundred.

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Telephone, Long Distance. PHILADELPHIA.

EVERYTHING YOU WANT IN CUT FLOWERS

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Mention American Florist when writing.

CONSIGN TO BUY FROM

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Commission DEALER IN Cut Flowers,

113 WEST 30TH STREET,

NEW YORK CITY.

THE BEST MARKET IN NEW YORK.

Wholesale Flower Markets

NEW YORK, Dec. 1.

Roses, Beauty, extra	15.00@35.00
" Brides, Bridesmaid, Meteor	4.00@12.00
" Testout, Carnot	6.00@12.00
" Morgan	8.00@10.00
Carnations	2.00@ 4.00
Valley	3.00@ 4.00
Mignonette	3.00@ 8.00
Violets	2.00@ 2.50
Harrisii	4.00@ 6.00
Chrysanthemums	4.00@20.00
Smilax	8.00@10.00

BOSTON, Dec. 1.

Roses, Beauties	10.00@50.00
" Gontier, Perle, Niphetos	2.00@ 4.00
" Bride, Bridesmaid, Meteor	4.00@10.00
" Carnot	4.00@10.00
Carnations	1.00@ 1.50
Valley	2.00@ 3.00
Violets	.75@ 1.00
Adiantum	.75@ 1.00
Smilax	8.00@10.00

PHILADELPHIA, Dec. 1.

Roses, Beauties, select	25.00@40.00
" short and medium	8.00@20.00
" Teas specials	6.00
" firsts	4.00
Carnations fancy	1.50@ 2.00
" ordinary	.75@ 1.00
Valley	3.00@ 4.00
Chrysanthemums	8.00@16.00
Violets, double	1.00@ 1.50
" single	.75@ 1.00
Smilax	12.00@15.00

John I. Raynor,

49 WEST 28th STREET,

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SPECIAL EXTRA STOCK OF

AM. BEAUTY, METEOR, BRIDESMAID, BRIDE.

Record Breaking Carnations

ALL THE YEAR ROUND.

American Beauty

and all other choice Roses in unexcelled quality.

Carnations, Mignonette, Cattleya and Valley.

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Roses shipped to all points. Price list on application.

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Cut Flowers on Commission.

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CITY HALL CUT FLOWER MARKET,

9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Consignments from regular growers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

TRAENDLY & SCHENCK,

Wholesale Florists,

Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.

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Tel. 961 18th Street. NEW YORK CITY.

J. K. ALLEN,

Wholesale Florist,

57 West 28th Street, near 6th Ave. Elevated R. R. NEW YORK,

BEAUTIES AND VIOLETS, SPECIALTIES.

Consignments Solicited.

JAMES M. KING

is completing additions which will make his store THREE TIMES AS LARGE as at present.

CUT FLOWERS, WHOLESALE.

Growers for New York market please call or write.

49 WEST 29TH ST., NEW YORK.

TELEPHONE 1675 38th St.

THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street,

112 and 114 West 24th Street,

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CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

GEO. A. KUHL,

PEKIN, ILL.

We now offer Roses, Carnations Romans, Paper Whites, Lilium Harrisii, Smilax and Ferns.

TO THE TRADE.

Wholesale Florists ALWAYS ON HAND: CARNATIONS, BRIDESMAIDS, BRIDES.

JOBBERS IN FLORIST'S SUPPLIES.

N. F. McCarthy & Co.

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, - BOSTON.

Asparagus Plumosus Nanus.

Strings 8 to 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

To Growers, Dealers and Buyers....

WE ARE NOW READY FOR BUSINESS

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WHOLESALE FLORISTS

AND DEALERS IN ALL

FLORISTS' SUPPLIES,

4 Ordway Place, BOSTON, MASS.

Cut Flower Consignments Solicited. Best market.

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Careful Shipping to all parts of the country. Price list on application.

JOHN YOUNG,

ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock.

51 W. 28th Street, NEW YORK.

Price list on application.

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408 E. 34th Street,

Cut Flower Exchange, NEW YORK.

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Wholesale Florist,

40 So. 16th St., PHILADELPHIA.

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THE AMERICAN FLORIST

Subscription $1.00 a Year. To Europe, $2.00.
Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agate; Inch, $1.00; Column, $10.00. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Thursday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

OUR ISSUE of December 11 will be full of valuable holiday matter. It will be one-third larger than usual and go to every live florist. Send your adv. early.

Omaha.

Thanksgiving has once more come and gone but only a small percentage of the trade seem to be very thankful and they are not wild with enthusiasm. This day was dark and rainy and in all one of the poorest of Thanksgivings.

The dark cold weather of the last few weeks has affected all kinds of stuff and first-class roses or carnations are scarce; some good chrysanthemums are still shown, but the best are past. Prices on all stuff still remain low. A. D.

Dayton, O.

One of the most interesting of school exhibitions was the chrysanthemum show. This was entirely the work of the children, all the 'mums exhibited having been grown by the children themselves.

The idea of this exhibit originated with Mr. J. B. Heiss, who offered prizes of palms to the most successful of these little florists. Mr. Heiss is receiving great praise by the public and local press, and is certainly deserving of considerable credit for the success which the affair has met.

W. A. MCFADDEN.

"Rosebank"

NEAVE BUILDING, CINCINNATI.

Producers and Shippers of every description of High Class Floral Supplies.

Cattleya. **Orchids.** Cypripedium.

Quotations issued weekly, forwarded on request.

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Immortelles and Moss Wreaths. Cycas and Galax Leaves. Fresh Cape Flowers.

Baskets, Jardinieres, Stands, Fern Dishes, also all Funeral Requisites, Doves, Inscriptions, Metal Designs, Dried and Artificial Flowers, and our Special Patent Ribbon Letters.

Ours is the largest Sheaf manufactory in the country. We give extra quality, extra weight.

Send for Catalogue. WHOLESALE ONLY.

H. BAYERSDORFER & CO.

56 N. Fourth St., PHILADELPHIA, PA.

Wholesale Flower Markets

CINCINNATI, Dec. 2.

Roses, Beauty select	30.00@35.00
" " medium	20.00@25.00
" " short	8.00@15.00
" Brides, Bridesmaids	3.00@ 5.00
" Meteors	4.00@ 5.00
" Morgans	3.00@ 5.00
" Perles	3.00@ 4.00
Carnations	1.50
" fancy	2.00
Valley	4.00@ 5.00
Narcissus, Romans	3.00@ 4.00
Violets	1.00
Chrysanthemums extra	10.00@15.00
" medium	5.00@ 8.00
Smilax	12.50@15.00
Adiantums	1.00
Asparagus	50.00

ST. LOUIS, Dec 2.

Roses Beauties	25.00@35.00
" " short	8.00@15.00
" Meteors Kaiserin	4.00@ 7.00
" Brides, Maids	4.00@ 7.00
" Mermets, La France	4.00@ 7.00
" Perles, Wootton	3.00@ 5.00
Carnations	1.25@ 2.50
Valley	4.00
Violets double	.75@ 1.00
" California	1.50@ 2.00
Chrysanthemums fancy	15.00@20.00
" common	1.00@ 5.00
Smilax	12.50@15.00

BUFFALO, Dec 2.

Roses, Beauties	15.00@35.00
" Brides, Bridesmaids, Meteors	4.00@ 8.00
" Mermets	4.00@ 7.00
" Niphetos, Perle	3.00@ 5.00
" Kaiserin	6.00@10.00
Carnations extra	1.50@ 2.00
" ordinary	1.00@ 1.50
Valley	3.00@ 4.00
Violets	1.00@ 2.00
Romans	4.00
Harrisii	12.00@16.00
Smilax	12.00@15.00
Adiantum	.75@ 1.25

MILWAUKEE, Dec. 2.

Roses, Beauty, extra	15.00@20.00
" " medium	8.00@15.00
" " short	4.00@ 6.00
" Brides, Bridesmaids, Perle	2.00@ 4.00
" Testout, Slebrecht	3.00
Carnations	1.50
Violets	1.25@ 1.50
Valley	5.00
Narcissus, Romans	2.00@ 3.00
Smilax	12.00
Adiantum	.75
Asparagus	75.00

Illinois Cut Flower Co.

WHOLESALE FLORISTS . . .

J. B. DEAMUD, Mgr. 51 and 53 Wabash Ave., CHICAGO.

Consignments of Fancy Stock solicited. Special attention given to shipping trade.

MOUND CITY CUT FLOWER CO.

Wholesale Florists.

CONSIGNMENTS SOLICITED

Special attention given to shipping orders

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H-L-SUNDERBRUCH CO

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED 4th and WALNUT STS. CINCINNATI, O.

SPECIAL ATTENTION GIVEN TO SHIPPING ORDERS

THE COLORADO FLORISTS' EXCHANGE CO.

(Incorporated. Paid up Capital $3000.00.)

Cut Flowers and Florists' Supplies

WHOLESALE ONLY.

1709 Curtis Street, DENVER, COLO.

The dry climate of Colorado enables our growers to grow the best Carnations on earth.

We handle 75 per cent of the Carnations grown in Colo.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

BRILLIANT GREEN AND BRONZE

GALAX LEAVES,

For Decorating and all Florists' Designs.

CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.

ROBERT CRAIG

Roses, Palms

and Novelties in Decorative Plants.

Market and 49th Street, PHILADELPHIA, PA.

Musa Ensete, 500 Kilogs.

Fresh Seed; new and direct importations, $4 per 1000; $36 per 10,000.

PURE WHITE CINERARIA

BOULE DE NEIGE (Viard),

First-Class Novelty.

20 per cent. discount to those announcing this novelty in their catalogues; also electrotype furnished free. Ask for price list and description.

LETELLIER & FILS, Caen, Calvados, France.

Agent: C. H. JOOSTEN, 136 Greenwich St., New York.

Stemming Wire

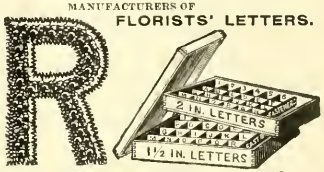
No. 20	$ 45 per stone
21, 22, 23	50 "
24	60 "
33	90 "
36	1 40 "
22 cut 9 or 12 inches	75 per box

Rose Stakes. Carnation Supports

H. F. LITTLEFIELD, Worcester, Mass.

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/2 or 2-inch size, per 100, $2.00.
Script Letters $4 Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager, 64 Hawley St., BOSTON, MASS.

M. RICE & CO.

Importers and Manufacturers of

FLORISTS' SUPPLIES

25 N. FOURTH STREET, PHILADELPHIA, PA.

FALL CATALOGUE NOW READY.

John Conley & Son,

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET, New York.

Providence, R. I.

SATISFACTORY TRADE THANKSGIVING DAY.—MEETING OF FLORISTS' AND GARDENERS' CLUB.—ELECTION OF OFFICERS.—A NEW PREMIUM FUND.—PERSONAL NOTES.

Thanksgiving, one of the days florists look forward to for a little boom in business, has come and gone, with quite satisfactory results so far as trade was concerned. The fortunates that had a good lump of violets and colored carnations were in luck; violets sold at sight. Roses and chrysanthemums were in good demand and found ready sale at an advanced price. The weather was all that could be expected for the month of November; that naturally helped things along our line.

The regular monthly meeting of the Florists and Gardeners Club of Rhode Island, was held on the evening of Nov. 26th and the following officers were unanimously elected for the coming year: President, James B. Canning; Vice President, Wm. E. Chappell; Secretary, Alex. M. Rennie; Treasurer, Farquhar Macrae; Executive Committee: Wa't r Nichol, Wm. Hill and Ed. J. Johnston.

At the last meeting of the Rhode Island Horticultural Society a letter was read from Charles H. Smith, of Elmwood, eulogizing the late librarian, Thos. K. Parker; with it a check for $100 was enclosed to perpetuate Mr. Parker's name and establish a fund to be known as the Thos. K. Parker Premium Fund. A committee of three was chosen to consider the best way to invest the same. The "Chalk Talk" by Prof. W. W. Bailey followed; subject, "How pollen is protected from rain and snow." It was very instructive and entertaining.

The greenhouses of Wm. Appleton, Jr. and Wm. Goddard, were broken into last week; plants and flowers to quite a value were taken therefrom. The thieves displayed good taste, but their principles were not commendable.

A. M. Rennie, who has been confined to the house for a number of weeks is slowly recovering, and has been at his desk a few hours a day for business.

George Johnston, of Johnston Bros. and Wm. Butcher, are again off duty on account of illness.

E. J. Collamore has opened a store on Upper Westminster Street in connection with his Franklin Street greenhouses.

M. J. Leach, of Pawtucket, reports an unusually good Thanksgiving trade and lots of funeral work.

Alvertus Martin, (Olneyville) has accepted the local agency of The American Jadoo Co. LITTLE RHODY.

IT COSTS NOTHING to get your name and address in the NEW DIRECTORY. Send your business card to the AMERICAN FLORIST CO., 324 Dearborn street, Chicago.

CYPERUS ALTERNIFOLIUS.
2½-inch pots . . . . . 40 cts. per doz.; $2.50 per 100

GREVILLEA ROBUSTA.
2½-inch pots . . . . . 40 cts. per doz.; $2 50 per 100

ASPARAGUS TENUISSIMUS.
3 inch pots . . . . . 50 cts. per doz.; $3.50 per 100

CALIFORNIA VIOLETS.
Field-grown . . . . . $4.00 per 100

CARNATIONS.
Mapledale (new) . . . . . $8.00 per 100

Medium sized plants of the following standard varieties, $4.00 per 100: Portia, Wm. Scott, Della Fox, The Stuart, and Tidal Wave.

NATHAN SMITH & SON, Adrian, Mich.

NEW CARNATION

"Mrs. S. A. Northway"

A soft shell pink, developing to nearly pure white.

OUR MASTERPIECE.

We shall commence shipping soon.

Orders booked **now** and filled in **rotation.** . . . .

PRICE: PER 100, $10.00. PER 1000, $75.00.

Newer Geraniums.

Mme. Bruant, Mme. Jaulen, Fleure Poitevine, J. Sallier and J. Ricaud. Fine stock from 2¼-inch pots, $5.00 per 100. ROOTED CUTTINGS, $3.00 per 100; $25.00 per 1000. Net cash.

GENERAL LIST OF GERANIUMS.

A superb stock in quality and variety of all the finest sorts, from 2¼-in. pots, named, $25 per 1000; unnamed, $20 per 1000. ROOTED CUTTING, $12.50 per 1000. Net cash.

Fuchsias.

A grand lot of summered-over stock in small pots that will make early blooming plants, $3 per 100.

W. P. SIMMONS & CO.

Make the following statement to the readers of the American Florist:

As originators and introducers of
"Silver Spray,"
"Tidal Wave,"
"Daybreak,"
and "Rose Queen,"

each of which has, we believe, proven even better than we claimed for them. We NOW say for 1898 that

"Mrs. S. A. Northway"

possesses all the good points that go to make up a **first-class** and **profitable** cut flower sort, and that we introduce it with even more confidence than we did the others.

It is an extra strong grower.
It is free from rust or disease.
It is a profuse bloomer.
It has exceedingly strong stiff stems.
It is of exquisite form full and double.
The flower is high built, petals serrated.
The calyx does not burst.
It is delightfully fragrant (a quality lacking in many new ones.)

OUR PRICE LIST now ready, contains prices on many other plants. SEND FOR IT.

W. P. SIMMONS & CO., Geneva, Ohio.

LAST OFFER OF

Indica Azaleas

10-12 in. diameter	$30 00 per hundred	
12-14 in.	"	42 50 "
13-15 in.	"	50.00 "

ALSO

Spiræa Japonica	$3.50 per hundred
Spiræa Multiflora Compacta	6.00 "
Spiræa astilboides floribunda	6.00 "

In the Best Market Varieties. Only a few of each now left in stock.

Branch of the Horticultural Co. Boskoop, Holland.

L. G. BOBBINK, Rutherford, N. J.

E. G. HILL & CO.
Wholesale Florists,
RICHMOND, IND.

FOR SALE.
A FINE COLLECTION OF
ESTABLISHED CACTUS PLANTS,
about 800, costing over $600; can be bought for $200.
E. S. SCHMID, 712 12th St, Washington, D. C.

GERANIUMS. Grand bedders, New and Fancy. 50,000; 40 varieties, strong rooted cuttings, any quantity $1.00 per 100 by express; $1.25 by mail.
PANSIES. My standard assortment of best productions. Any quantity, 40c. per 100 by express; 25c. for 50 mailed for trial beside any other. Seed of same, 1000 for 20c.
Bedding Begonias, Coleus, Petunia, Salvia, Verbena, etc., in season.
Ask for list of Geraniums and other stock.
DANIEL K. HERR, Lancaster, Pa.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Vine Seeds and Sweet Corn in Nebraska.

In the spring of 1897 the seed growers of the West again and for a third consecutive season found themselves carrying quite heavy surplus stocks that had accumulated through an excessive zeal in the production of seed crops for the purpose of insuring against the possibility of being unable to fill contract orders in full. Large sales were made to a few of the larger seed houses at sacrifice prices so as to reduce this surplus, the prices being made at below cost as an inducement to effect sales.

This procedure, together with the general condition of depression at the time, resulted in a heavy shrinkage in the volume of the contract business of 1897 crops and as a consequence not more than one-half of the usual acreage was devoted to the production of vine seeds and sweet corn this year.

The season of 1897 has been a peculiar one. Musk melons and summer squashes have generally made only a fair crop. Watermelons have in some instances proven fairly satisfactory, but altogether considered, the crop has turned out very poorly. Cucumbers have been a great disappointment, the general yield having been not more than one-half the usual average owing to the dry early fall months. Pumpkin and winter squash have fallen way behind and are the poorest crops in their lines ever grown in this locality, owing to the ravages of cutworms, borers and the large squash bug, all of which having been more destructive than ever heretofore known.

The acreage devoted to sweet corn this past season has also been greatly reduced, as compared with the area planted during the past five years. There was no surplus carried over from last year and as the season progresses it is found that the yield is proving much shorter than estimated, although the quality is excellent. Stowell's Evergreen and several other varieties will be short and contracts for same will only be filled on a basis ranging from 50 to 75% of the quantities contracted.

The season of 1898 is a problematic matter to the seed grower of the West. Owing to the extraordinary success farmers have obtained this past season in growing small grain and corn, and feeding sheep and cattle that have been, and are now being brought into the seed-growing district from every direction, thousands of sheep and cattle to be fattened for the South Omaha cattle market but 15 miles distant, it will be absolutely impossible to secure an acre of land for the cultivation of seed crops next season at anything like the prices recently paid for same.

There has not even been the exchanging of an old dollar for a new one without loss in growing seeds for the past five years, and it has been the common occurrence to be unable to even obtain the cost of labor alone out of the proceeds of the crop. At the prices that have prevailed during the past several seasons there is no inducement to continue seed growing in Nebraska while there is every inducement to carry on any kind of farming but that of seed growing. Every acre of soil will be needed in this locality next season for the production of grain and corn for sheep and cattle feeding.

It is only reasonable then to feel assured before hand that if seeds are to be produced next season here in Nebraska very much higher prices must be obtained. We have got to look the facts directly in in the face. Opinions may vary as to how much higher prices will advance, but it is an opinion that they will not fall short of an advance of from 30 to 60%, according to kind.

Starting in last spring with surplus stocks reduced to the smallest quantity known for several past seasons, with a greatly reduced volume of contract business on hand, a consequent largely reduced acreage this season and crops reduced far below the average yield on the one side, viz.: that of production. Seed dealers on the other hand, throughout the country should in making up their catalogues and price lists govern themselves accordingly "making hay while the sun shines" by advancing their prices and not waste the opportunity now presented for the first time in several years whereby they may regain some of the lost profits of the past.

THE assignee of Crosman Bros. will continue that business until June 1, 1898.

NEW PEA "GRADUS."

LAXTON'S Finest Early Pea of the Century. Large Podded, Wrinkled, First Early.

Highest Award, First Class Certificate from the R. H. S. after trial.

--WITHOUT doubt this is the greatest advance yet achieved in early Peas, for although the variety ripens with "William 1st" and "Eclipse," the deep green colored pods are of the size and as well filled as those of Duke of Albany, with large wrinkled Peas of the "Ne Plus Ultra" color when ripe and quite equal with that famous, as yet unvanquished variety for flavor. "Gradus" is also the most distinct early Pea yet raised, and is alike good for table and for show. PRICE—$5.00 per bushel. We have already booked large orders for the States for this variety. TERMS—Cash with order or London reference.

LAXTON BROTHERS, Seedgrowers, Bedford, England.

THE ALBERT DICKINSON CO.
CHICAGO, ILL.
Grass Seeds
For Parks, Tennis Courts, Lawns, &c. In fancy 1 and 2 pound packages and bulk

OSCAR KNOPFF & CO.
SEED GROWERS,
ERFURT, GERMANY.
Sole Agent for the United States and Canada
M. RUTTENAU, 15 to 25 Whitehall St., New York.
Trade Catalogues and estimates cheerfully furnished. Orders promptly filled direct from nurseries at Erfurt.

LILY OF THE VALLEY.
Just received, extra fine selected pips, per 1000, $11.00. Cash with order.
H. N. BRUNS,
690 W. Van Buren St. CHICAGO.

FAXON'S "WHITE HOUSE" PANSIES.
The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.
In Trade Packets at $1.00 each.
M. B. FAXON,
Lock Box 1528. BOSTON, MASS.
Correspondence solicited.

It costs 4 cents for each 600 feet of floor space.
Kill and Save the Blooms Bugs!
Does not injure the most sensitive plants. Endorsed by
Nikoteen
by prominent florists. Used for fumigation or spraying indoors or out. 200 pounds of tobacco in one pint of Nikoteen. Sold by seedsmen. Circular free. PEABODY DIP CO. CHICAGO.
Quickly Does It.

BURPEE'S
SEEDS
PHILADELPHIA.
Wholesale Price List for Florists and Market Gardeners.

CLUCAS & BODDINGTON CO.
Importers and Exporters of
Seeds, Bulbs & Plants,
501 TO 503 W. 13TH ST.,
NEW YORK CITY.
Send for quotations on all Florists' Bulb Stock.

TRY DREER'S
GARDEN SEEDS,
Plants, Bulbs & Requisites.
They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.
HENRY A. DREER,
Philadelphia, Pa.

PALM Seed.
FRESH ON HAND

	per 100	1000	3000
COCOS WEDDELIANA	$1.25	$10.00	$27.50
MUSA ENSETE	1.25	10.00	27.50

J. L. SCHILLER,
404 E. 34th St., NEW YORK CITY.

W. & D.'s "SURE CROP"
MUSHROOM SPAWN
Hyacinths, Tulips, Narcissus, &c., &c.
SPECIAL PRICES TO CLEAR.
WEEBER & DON, Seed Merchants and Growers,
114 Chambers St., NEW YORK, N. Y.

EXTRA CHOICE FLOWER SEEDS.
List free on application.
FRED. ROEMER, Seed Grower,
Quedlinburg, Germany.

Baltimore.

CLUB MEETING.—ADVISABILITY OF HOLDING A SHOW NEXT YEAR DISCUSSED.—THE THE QUESTION BOX.—DEATH OF THE MOTHER OF MR. I. H. MOSS.

Another rainy night did not prevent the club from having an enjoyable and live meeting, President Pentland was out in spite of the weather, but did not favor the boys with his promised essay on Adiantum Farleyense because there was so much talk he didn't have time.

The matter that stirred up such vigorous debate was a recommendation by the executive committee that a flower show be held next November. After the members of the committee had expressed their individual reasons for favoring the plan a lively debate ensued. Mr. E. A. Seidewitz expressed a decided aversion to holding a show unless a guarantee fund of one thousand dollars could be raised. The New York show with all its advantages and splendor was a financial failure and there was no use in our trying where New York had failed. The only successful show we had held was the first and it was a success mainly because Mrs. Pres. Harrison had visited it. Mr. Christy said "Heaven helped them who help themselves," and if we all worked together we could hold a show. Mr. McRoberts thought a guarantee fund of one thousand dollars sheer nonsense, and equivalent to voting not to hold a show. We had held profitable shows when we had no guarantee fund and could do it again. Our first show had paid every cent of premiums to exhibitors before Mrs. Harrison's foot crossed the threshold of the building where it was held. If New York held a ten story show and failed, Baltimore need not fail by trying to hold a ten story show. Let us hold a one story show such as we began with and succeed.

Mr. Flitton advocated a general show not confined exclusively to chrysanthemums. Mr. Donn thought the club capable of holding a good show, and was sure some of the members would give their best efforts toward making it a success. Mr. Sands deprecated the guarantee fund idea which seemed too much like begging. Thought one chief reason of the club's existence was holding annual shows, and had no doubt that if ordinary prudence and judgment were shown instead of lavish expenditure in non-essentials, we could have as good a show in 1898 as we had ever held. Mr. C. M. Wagner was also heartily in favor of a show, as were apparently most of the members present. The matter was finally closed by a motion to have the executive committee prepare plans for holding a flower show in November 1898, and lay them before the club at our next meeting.

Bargains in Bulbs

	Per 1000
Roman Hyacinths, 11-12 ctm.	$12.00
" " 12-15 ctm.	17.50
Single Dutch Bedding Hyacinths, in sept. colors	20.00
" " Forcing "	25.00
" " Named " In sorts, 2nd size	30.00
" " " " 1st size,	45.00
Lilium Longiflorum, Japan, 6-8 inch	18.00
" " " 7-9 inch	35.00
Narcissus Trumpet Von Sion	9.00
" " Princeps	7.00

CASH WITH ORDER.

HULSEBOSCH BROS.
ENGLEWOOD, N. J.

PANDANUS VEITCHII

Clean plants in good condition.

7-inch pots, $1.50 each; $18.00 per dozen.
Also a few fine 8-in. at $2.00, 9-in. at $3.00, 10-in. at $4.00 each.

JOHN WELSH YOUNG,
.... GERMANTOWN, PA.

For MILDEW on ROSES

CARNATION RUST, FRUITS AND VECETABLES,

USE FOSTITE; 5 lbs. 50 cts.; 25 lbs. $2.00.

C. H. JOOSTEN, Importer of Bulbs, Plants, Seeds,
193 Greenwich St., NEW YORK.

THE BEST FOR ALL Florists' — "ROSE LEAF" EXTRACT OF TOBACCO INSECTICIDE — FOR SALE BY SEED STORES. FOR FREE PAMPHLET WRITE TO LOUISVILLE SPIRIT CURED TOBACCO CO LOUISVILLE KY

FLORISTS FERTILIZER

Made from VIRGIN NIGHT SOIL by steam process—NOT Adulterated. Complete Fertilizer. Soluble, quick in action. Combines all the Elements for Nutrition of Plants. Pleasant to handle.

STANDARD FERTILIZER CO. Inc.
1822 Filbert Street, PHILADELPHIA.



PHILADELPHIA, DECEMBER 1st, 1897.

On and after this date and until further notice my celebrated

"DIAMOND BRAND" W P.

MUSHROOM SPAWN

Will be sold at the following Reduced Prices

$7.50 per 100 lbs. $65.00 per 1000 lbs.

I have succeeded in making such favorable arrangements that the increase of duty is now largely neutralized and the above low rates are the result, while the quality is of the same high grade as heretofore——

ABSOLUTELY UNSURPASSED

New shipment just to hand. 50 lbs., $4.00; 25 lbs., $2.25; 10 lbs., $1.00; sample bricks by mail, postpaid, 25c; 24 page booklet containing full instructions free to buyers or intending buyers (to others 10c).

GEORGE C. WATSON,

Juniper, below Walnut. PHILADELPHIA, PA.

A Florist Poet's Troubles.

The court has said that Isaac H. Poole's poetry is worth $15. Captain Peter Lawson had insisted that it wasn't, or at least that he had not agreed to pay anything for it, even if it was, but Justice Underwood held yesterday that he must pay Poet Poole $10 for the verses and $5.25 for the cost of getting them printed.

October 27 Captain Lawson was married to Carrie M. Specht at 1198 Lincoln Avenue. Miss Specht owned a florist's store and was acquainted with Poole (an old-time florist once located on Western avenue). She asked him to dash off a few lines to be dedicated to the couple at the time the ceremony was performed. The poetry was written, and submitted to Captain Lawson and his prospective bride for inspection. According to Poole, the lines so charmed the young couple that they ordered 250 copies printed and sent to the bride's home in time for the wedding.

Two of the verses dedicated to Miss Specht and Captain Lawson are as follows:

Clang! clang! clang! There's a fearful, wild alarm,
And all the heroes hustle to save from death or harm.
Alas! They cannot quell it with all their skill and art,
For the flame that is consuming is in the captain's heart.

The ladders cannot reach it; the hose will not avail;
The engine under pressure in idleness must quail;
There's only one can reach him and save the faithful chief,
For the loving heart of woman is the measure of relief.

Poet Poole was elated over the judgment given him. "If that poetry, all printed, isn't worth $15," he declared, "then may I never again invoke the muses!"—*Chicago Times-Herald.*

SEEDLING CARNATIONS.—Regarding the proposition of sending seedling carnations to other growers for trial, we do not like it, and would not submit to letting a seedling leave our hands, except a partial interest was sold. What we would suggest would be a committee of three to visit all seedling introducers and provide necessary means for that purpose.

THE MORRIS FLORAL CO.

MARBLEHEAD, MASS.—The large greenhouse of Mrs. Grace A. Oliver at East Marblehead was badly damaged by fire on the morning of November 24, and the contents, including a valuable collection of plants were totally ruined.

FALL RIVER, MASS.—The greenhouses of John Wright were damaged to the extent of several hundred dollars by fire on the morning of November 25.

JUSTICIAS VELUTINA, NERVOSA FLAVA
2½-inch $8.00 per 100.
Strong plants AERVA SANGUINEA, $5.00 per 100.
THE CONARD & JONES CO.,
WEST GROVE, PA.

AZALEA INDICA.

9 to 10 inch, full of buds	$3.00 per doz.
10 to 12 " "	3.50 "
13 to 15 " "	5.50 "
Cinerarias, 2½ inch	2.00 per 100.
" 3 "	3.00 "
Calceolarias 2½ "	3.00 "
Golden Dwarf Marguerite Cuttings	1.50 "

WHITTON & SONS, Wholesale Florists,
City and Green Streets, UTICA, N. Y.

Azalea Indica

FINE PLANTS, WELL SET WITH BUDS.	Per 100
10 to 12 inch crowns	$ 38.00
12 to 13 inch crowns	50.00
13 to 15 inch crowns	60.00

This stock is in fine shape, with bright, clean foliage.

ARAUCARIA EXCELSA.
Excellent plants in fine condition.
12 to 15 inches high ..... $12.00 per doz.
15 to 18 " ..... 15 00 "
18 to 20 " ..... 18 00 "

ASPARAGUS PLUMOSUS.
Strong, 2½ and 3-in. pot plants, $7 per 100; $60 per 1000.

LILY OF THE VALLEY.
Selected 3 year old Berlin Pips, $10.50 per 1000. Per Case of 2500 $25.00.

CRIMSON RAMBLER
ROSES
Strong, two year field-grown plants with several shoots 3 to 5 feet long. This rose forces readily, and MAKES SPLENDID SPECIMENS FOR EASTER SALES.
$12.00 per 100.

LILIUM LONGIFLORUM.
Japan grown. A few thousand left in prime condition.
5 to 7 $20 per 1000. 7 to 9 $35 per 1000.

LILIUM AURATUM.
7 to 9 inches ..... $4.00 per 100
9 to 11 inches ..... 5.00 per 100

CANNAS. An immense stock, including THE CREAM OF THE NEW VARIETIES. President Cleveland, Tarrytown, Duke and Duchess of Marlborough, and others. Write for list and prices.

ORNAMENTAL TREES AND SHRUBS in large assortment for Yard, Street and Park planting. Also Fruit Trees, Grapevines and Small Fruits. *Catalogue and Trade List free. Correspondence solicited.*

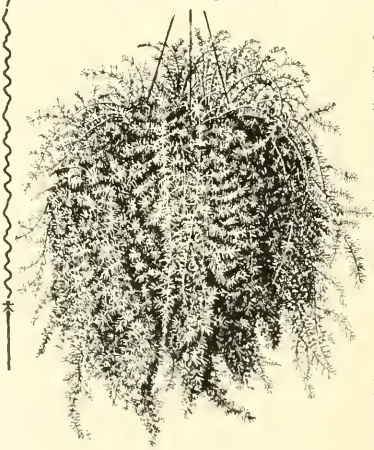
THE STORRS & HARRISON CO., Painesville, O.

CHRYSANTHEMUM FRANK HARDY.
THE SENSATION OF THE SEASON
Certificated by the committees of the Chrysanthemum Society of America at New York, Chicago, Boston and Philadelphia.
First prize among whites wherever exhibited. The best mid-season white to date and indispensable to every grower whether for exhibition or the cut flower trade.
Plants ready March 1st and orders filled in rotation.
Price, per plant, 50c.; per dozen, $3; per 100, $20; per 1000, $150.
25 at 100 rate; 250 at 1000 rate.
A. HERRINGTON,
FLORHAM FARMS, - - MADISON, NEW JERSEY

HERR'S PANSIES
ARE THE BEST.
Fine plants, 75c per 100; $5.00 per 1000.

CARNATIONS.
My experiences with the old and the new will be ready Nov. 15, and mailed for the asking.
ALBERT M. HERR, Lancaster, Pa.

Asparagus Sprengeri,
GREATEST NOVELTY FOR FLORISTS.



Read what Mr. F. W. Burbidge says of it in "The Garden":

"It well merits the attention of all interested in greenery for bouquets, wreaths, and sprays. It is most handsome, drooping gracefully and naturally from pot or hanging basket. The growth thrown up in a free and plumose manner 4, 8 and 10 feet in length, of a fresh green hue and is admirably adapted for all decorations indoors. **I have had fronds in water that were quite fresh six weeks after cutting.** The wonder is that such a distinct plant has not long ago found its way into Covent Garden by the hundreds. It should, as it deserves, soon become known to all growers or select decorative material."

—o—

We were the first to grow Asparagus Sprengeri in quantity and have sold it in lots of 10,000 to those who know it is a good thing. a few thousand more left.

Price, 2½ inch, ready for 3½	$6.00 per 100, $1.00 per doz.
" 3½ inch, " " 5	10.00 " 1.50 "
" 6 inch, " " 7	50.00 " 6.00 "
Seed to arrive this month	15.00 per 1000.

A. BLANC & CO., PHILADELPHIA, PA.

Cleveland.

FLOWERS SCARCE. — BOWLING NOTES. — NEXT MEETING OF FLORIST CLUB.—W. H. BEAUMONT BARELY ESCAPES BEING BURNT OUT.—VARIOUS ITEMS.

The chrysanthemum season is about over now and the principal feature of the situation at present is the consequent scarcity of flowers. A very few second grade chrysanthemum blooms are still coming in, but in most cases are not very satisfactory as those that are not suffering from extreme senile debility, seem to be of very poor substance in many instances.

Carnations are very short in supply, owing probably largely to the dull, cold weather we have been having for some time. Fairly good stock wholesales at $1.50 with not enough to go around. Roses likewise are short in supply, although very fair in quality on the average. They also, consequent upon shortages in other flowers, have stiffened in price and good stock in standard sorts are worth $5 and $6. Violets have been chronically scarce all the season so far, at no time have they been in really good supply. A few of the earliest Harrisii were in for Thanksgiving and retailed at $3 per dozen. They do not seem to be especially popular as an early venture and sold rather slowly. A wholesale price of $2 per dozen, express charges on bulky packages and incidental risks, will not tend to popularize them with the retailers either.

The bills incurred during the chrysanthemum show are in process of payment and by the time of the next meeting, the club will know just exactly how much must be forked over to make good the deficit.

The bowling club met as usual Monday. There was a good attendance and a good time for everybody, as usual. It should be noted that the next meeting of the Florists' Club falls not on next Monday, but on the following Monday, the second in the month.

W. H. Beaumont on Erie street, had a very narrow escape from being burned out Monday night. The building next door being entirely destroyed.

The F. R. Williams Co. moved their wholesale office on December 1, to 60 Huron street, where they will henceforth conduct operations

Mr. Killen, travelling for C. H. Joosten, has been in the city lately.

Note that Monday evening, December 6th is an extra meeting for the bowling club. As this will be ladies' night a large attendance is expected to be on hand to bowl and do justice to the good things that will be provided. A.

IT'S A MISTAKE
TO THINK
"ANY OLD THING"
will answer for a Refrigerator to keep flowers in. Those up-to-date are made by the
Chocolate Cooler Co., Grand Rapids, Mich.
SEND FOR CATALOGUE.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

Palms,
Pandanus Veitchii,
Ferns and Araucarias,
IN ANY QUANTITY.
JOHN SCOTT,
Keap Street Greenhouses,
.... BROOKLYN, N. Y.

PALMS
SEND FOR SIZES AND PRICES
EDWIN LONSDALE
CHESTNUT HILL, = PHILA. PA.


PALMS AND FERNS.
The LARGEST STOCK west of New York.
GEO. WITTBOLD, 1708 N. Halsted St., CHICAGO

Areca Lutescens

MUST HAVE ROOM!
MUST HAVE MONEY!

Hav'nt time to write poetry, and could na if I tried. But here are my December prices


Three plants 7-inch pot, 32 to 36 inches high, bushy, $1.50.
Three plants 8-inch pot, 36 to 42 inches high, very bushy, $2.00.
Three plants 8-inch pot, 42 to 48 inches high, very bushy, $2.50.
One plant 10-inch pot, 4 to 5 feet high, extra fine, $5.00.

The cheapest lot of Areca lutescens ever offered to the trade.

JOSEPH HEACOCK, Wyncote, Pa.

Syracuse, N. Y.

THANKSGIVING DAY REPORTS SATISFACTORY.—'MUMS SOLD WELL. — PLANT TRADE VERY GOOD.—BANNISTER BROS. GO INTO BUSINESS.

For the past three or four weeks we have been experiencing very unpleasant weather, which has shortened up the supply of flowers very considerably. Thanksgiving week started in with a scarcity, with the exception of chrysanthemums, and brisk trade. Reports from the various establishments for Thanksgiving day are most satisfactory, despite the bad weather, a drizzling, cold rain falling all the time. While some claim an increase of 15%, others figure up an equally good trade, probably a trifle better than last year. Unquestionably more trade could have been done had it not been for a scarcity of flowers towards evening, and, as usual at such times, a large amount of funeral work had to come in. Although the prices on outside stock were rather stiff, especially violets, retail prices ranged more reasonable than last year.

Chrysanthemums were much in evidence and sold extremely well, bringing from $1 to $3 per dozen, according to quality. American Beauty, as usual, was the favorite rose. There were quite a number on sale, but before noon they were sold out clean, bringing from $4 to $9 per dozen. Other roses ranged from $1 to $2 per dozen, a few extra fine Meteors and Carnots bringing $2.50. Carnations were of fine quality and many more could have been sold; 50 cents per dozen was the general price, and it was a hard matter to get 75 cents for extra fancies. Violets were largely called for, and although the wholesale price, $3 per hundred, was asked for them, this put a damper upon the majority of would-be buyers.

In the pot plant line there was an extraordinary large call for ferns, nice plants in 5 and 6-inch pots, and pans of the hardiest kinds for house culture, such as the different varieties of nephrolepis, pteris and adiantums. Prices ranged from 50 cents to $1.50 each. A great many flowers with small ferneries were also sold. Palms did not have much call. In flowering plants, primulas at 25 cents, begonias at 50 cents to $1, and cyclamens at 50 cents sold well, which is more than can be said of chrysanthemums, people preferring them cut, to the plants.

Bannister Bros. have opened a very attractive store on the corner of West Genesee and Clinton streets. They are progressive young men, and it is to be hoped they will be as successful in their new venture as they are in landscape gardening. ALPHA.

A. FARLEYENSE,

Extra strong plants from 3-inch pots in excellent condition at $3 per dozen; $20 per hundred.

NEPHROLEPIS EXALTATA at $5.00 per hundred.

NEPHROLEPIS EX. BOSTONIENSIS, at $5 per hundred.

NEPHROLEPIS CORDATA. Fine for Fern dishes or specimen plants at $6.00 per hundred.

PTERIS TREMULA all sold.

A few PTERIS SERRULATA at $3.50 per hundred, strong.

R. WITTERSTAETTER,
SEDAMSVILLE, OHIO.



CHINESE SACRED LILIES,

$3.50 per basket of 100. $33.00 per 1000.

CALLAS SPOTTED LEAF, fine bulbs, $3 per 100. Smaller bulbs at $2 per 100.

BLACK CALLAS, large bulbs, $6.00 per 100.
GOLDEN CALLAS, fine plants, $1.50 each, $15 per doz.
PURPLE FRINGED CALLAS, very rare, 50 cents each.

CANNAS All the newest varieties are kept in stock. Prices low as the lowest.

Send for list of NEW AMERICAN CANNAS.

A. BLANC & CO.,
PHILADELPHIA.

DEUTZIA GRACILIS....

FOR FORCING.

STRONG PLANTS ..... $7.00 per 100
H. P. ROSES, 2 YEARS ..... $8.00 per 100
Anne de Diesbach, General Jacqueminot, Paul Neyron, Magna Charta, and others.

COMMERCIAL NURSERIES. Address W. S. LITTLE & CO., ROCHESTER, N. Y.

PRIMULA CHINENSIS, 2-inch pots ..... $2.50 per 100, $20.00 per 1000

PRIMULA, transplanted seedlings, from flats $1.50 per 100.

FERNS, 3-inch pots..... $5.00 per 100

CARNATIONS. Field grown Lizzie McGowan and Scott. Write for prices.

VIOLETS. Marie Louise, strong field grown. Write for prices.

HYDRANGEA HORTENSIS, rooted cuttings..... $2 00 per 100

SWAINSONA..... $2.00 per 100

ABUTILON Souvenir de Bonn and Golden Fleece... $3 00 per 100

GERANIUMS. Rooted cuttings.... ... $1.50 per 100, $12.00 per 1000

C. LENGENFELDER.
Lincoln and Berteau Avenues, CHICAGO.

SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.

BAKER'S
NEW CARNATIONS.

Grown and tested five years.

ONEIDA—Pure pink, healthy; no rust; continuous producer; largest size bloom.
RED JACKET—Bright red, fine stem and calyx; continuous cropper. $10.00 per 100.
Orders booked now to be filled in rotation as fast as rooted.

C. F. BAKER, Utica, N. Y.

A Sample Collection.

We are growers of 2,000,000 plants per year, and wish every florist to see our stock, so we make up this $1.00 sample of new and standard plants worth $5.00 to any florist, as an advertisement so you can order by the 100, 1,000, 5,000 or 10,000 lots.

MORRIS FLORAL CO.,
MORRIS, ILLINOIS.

Mention the American Florist when writing to advertisers on this page.

CARNATIONS

After the early Chrysanthemums are thrown out many florists plant Carnations. We have a few thousand plants heeled in in the cold house suitable for this purpose. They are first-class plants, the last of 94,000 set out in the spring.

800 Grace Wilder, 200 Scotts,
2000 Silver Spray, 600 Erlesconrt,
1200 Albertini, 300 Rosalind,
800 Dean Hole, 100 Armazindy,
1500 Portia, 100 Mrs. Carnegie.

$4.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

Always mention American Florist.

FIELD-GROWN
CARNATIONS

We have the following named varieties heeled in on the benches of a greenhouse, never touched by frost:

	Per 100
MRS. GEO. M. BRADT	$10.00
MRS. C. H. DUHME	8.00
MARY WOOD, white, and DAZZLE SCARLET	5.00
METEOR, ALBERTINI, BRIDESMAID, GOLDFINCH and some SCOTT	4.00

F. DORNER & SONS CO.,
LA FAYETTE, IND.

H. WEBER & SONS,
CARNATIONS,

OAKLAND, MD.

When writing mention the AMERICAN FLORIST.

The Cottage Gardens

QUEENS, L. I.

Specialties in CARNATIONS, CHRYSANTHEMUMS, CANNAS, GERANIUMS, DAHLIAS.

SEND FOR OUR PRICE LIST

STOCKY, FIELD-GROWN **CARNATIONS.**

New and standard vars., $5.00 per 100 and upward.
GEO. HANCOCK & SON, Grand Haven, Mich.

Northampton, Mass.

THANKSGIVING TRADE NOT PARTICULARLY BRISK.—H. W. FIELD ENTERTAINS AT A LUNCH.—A NEW FLORIST ARRIVES AT ALEX. PARK'S.—FRED BARTLETT JOINS THE BENEDICTS.—E. P. COPELAND ALSO ENTERTAINS.

Thanksgiving day opened clear and cold and was nearer the old-fashioned ideal than many of its predecessors, but trade was not particularly brisk, in fact many Saturday afternoons were quite as good. However, it helped to work off most of the late chrysanthemums, and the end is now near. We all say there is no money in them, yet next year will probably find just as many grown, for what would we do without them to cheer and brighten the dull dark days of late fall, and though the exhibitions do not seem to pay yet, the chrysanthemum still holds a place in the fancy of the public that no other flower can fill.

A very pleasant prologue to the show was the dainty lunch to which H. W. Field invited the directors of the Horticultural Society on the closing night of the show, and which also marked the discontinuing of Mr. Field's lunch rooms. He will use the space for his increasing flower trade.

Alex. Parks has moved into larger quarters down the street, and just now Alex. is the happiest man in town, all on account of that new florist in his family.

Fred Bartlett has at last yielded to the wiles of the fair sex and taken to himself a wife. He has the best wishes of all in the trade.

E. P. Copeland entertained what he was pleased to call the "working element" of the society at its last meeting, and that they were entertained royally all who know that gentleman will have no doubts. G. W. THORNILEY.

New Carnation Gold Pearl.

We have received from the Morris Floral Co., Morris, Ill., a sample bloom of their new yellow carnation Gold Pearl.

It is said to be a cross between a cream colored seedling (parentage not stated) and Buttercup. The color is a clear yellow, deeper than any American commercial variety we remember to have seen and without trace of red or pink markings. The sample bloom was of good size, form, calyx and stem.

Greenhouse Building.

Monroe, N. Y.—Glen Lea Nursery, one palm house.

Brooklyn, N. Y.—A. F. Walsh, one greenhouse 21x60.

BOUGAINVILLEAS.

Beautiful for "cutting" or pot sale.

Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests.

Send for "Comments and Facts."

THEO. F. BECKERT, Glenfield, Pa.

9 miles below Pittsburg, Pa.

CHRYSANTHEMUMS.

STOCK PLANTS FROM BENCH.

Marion Henderson, Montmort, Ivory, Pink Ivory, Queen (white and yellow), Wanamaker, etc. Also a large collection of the best Ostrich Plume varieties. All **$1.00 per dozen; $5.00 per hundred.**

CHAS. L. MARSHALL, 67 Merrimac St., Lowell, Mass.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.



CARNATION "ARGYLE"

GROWN and tested for 4 years; color, a pleasing shade of carmine pink; flower, 2¾ to 3¼ inches; borne on long stems, healthy and free from rust; perfect calyx, continuous bloomers.

Rooted cuttings ready March 1st; $2 per doz.; $10.00 per 100; $75.00 per 1000

NATURAL SIZE

STOLLERY BRO'S ARGYLE PARK CHICAGO.

100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants, $2.50 per 100; $20 per 1000. Rooted Cuttings, 75c per 100; $6.00 per 1000; $50 per 10000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

CHRYSANTHEMUM STOCK PLANTS

Any of the following at $1.50 per dozen; $10.00 per 100.

Alcazar, Beaute Lyonnaise, Buff Hairy, Constellation, Crystalina, Chas. Davis, Defender, Eugene Dailledouze, Enfant de Deux Mondes, E. M. Bliceiow, Evangeline, Golden Wedding, Geo. W. Childs Geo. Bramhall, Gretchen Buettner, Golden Hair, Golden Trophy, H. W. Ketman, Ivory, Ida, Joanna, Jayne, Louise Boehmer, Loriel, Miss Minnie Wannnmaker, Mrs. Jerome Jones, Mrs. J. G. Whilden, Major Bonnaffon, Mme. F. Bergman, Mayflower, Mrs. W. H. Rand, Mrs. Moses J Wentworth, Mrs. Col. J. Thompson, Mrs. Potter Palmer, Mrs. Highbotham, Miss M. M. Johnson, Mrs. S. T. Murdock, Mrs. H. Robinson, Millbrook, Mrs. A. J. Jones, Miss May Williinson, Merry Monarch, Mrs. Perrin Modesto, Midnight, Marion Cleveland, Miss Agnes L. Dalskov, Mrs. I. Peabody, Mrs. Geo. J. Magee, Margaret Jeffords, Mrs. Martin A. Ryerson, Niveus, New York, Oakland, Philadelphia, Paul Nolsette, Pitcher & Manda, Reine d'Angleterre, Shavings, Sunclad, The Queen, The Times, Thanksgiving, Vivland-Morel, William Simpson, White Swan, Yellow Queen, Yanoma, Yellow Monarch.

14 Barclay St. NEW YORK **VAUGHAN'S SEED STORE** 84-86 Randolph St. CHICAGO

"HERE IS WHERE YOU GET YOUR MONEY BACK."

Plant **BRIDE AND MAID ROSES** to follow 'mums. We have extra strong plants; well seasoned wood, will soon make a crop of bloom, at the extremely low price of **2 cts. each**, where 250 or more are wanted. CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

Souvenir Chas. Turner

Ivy Geranium.

3000 rooted cuttings at 1¼c. Add 10c per hundred by mail. Cash with order.

GEORGE F. BRAYBON,
KENT, PORTAGE CO., O.

When writing mention the American Florist.

ROSES.

FIELD-GROWN, OWN ROOTS.

No. 1, two to four ft., cut back to two ft.

Marechal Niel, Yellow Rambler, Hybrid Perpetuals, Mosses, Hardy Climbers, Madame Plantier, and Wichuraiana.

All on own roots except Marechal Niel, which are grafted on non sprouting roots. These plants are very strong and well-shaped. Prices on application. ADDRESS

W. F. HEIKES, Mgr., Huntsville, Ala.

..PANSIES..

200,000 in cold frames of the Jennings finest strains; all extra No. 1 plants; large size, ready to bloom, $5.00 per 1000; extra medium size for cold frames, $4.00 per 1000. Extra 75c per 100 by mail.

...SEED...

of the finest strain, $1.00 per pkt. of 2000 seed; $6.00 per ounce;

Cash with order. Lock Box 254. **E. B. JENNINGS, Southport, Conn.**

Grower of the finest Pansies.

50,000 SMILAX by mail, 50c per 100, $4.00 per 1000.

GERANIUMS mixed, from 2 in. pots, $2.25 per 100, $20.00 per 1000. Send for samples. Cash with order.

FRED BOERNER,

CAPE MAY CITY, N. J.

When writing mention the American Florist.

PRIMROSES

Extra strong plants from 2¼ in. pots, single varieties in separate colors, $3 per 100. Finest mixed, $2 per 100.

Double Primula, white and red ..... $4.00 per 100

Chrysanthemum Frutescens Huliferiana, finest yellow Daisy in commerce, from 2¼ in. pots, ... 75 cts. per doz.

Begonia Argentea Guttata, from 2½ in. pots, $2.50 per 100; rooted cuttings .... $1.50 per 100

Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Notes.

If you have any crocus or tulip bulbs not sold they should be planted at once. Cover well when planted so late, they don't pay to grow inside. Have you potting soil and sand enough under cover? Are your pansies covered? Have you stopped up all the places where cold winds may come in? If you have a large tree to move this winter, have you dug the trench around it and filled in with leaves, so as to save labor of so much picking in winter? Is your storm door ready? Have you selected the variety of chrysanthemums most desirable for next season and put stock plants in proper place? Have you everything ready for the holidays? Is your dormant stuff for Easter well rooted and covered, where you can get at comfortably?

Have you prepared to meet any demand for Asparagus Sprengerii, Spiræa Anthony Waterer, Spanish iris or white and yellow snapdragon this season? Are you positive that you watered your azaleas? Do you not remember that they are frequently potted as they arrive and the water when poured in pot runs *around* the ball and out the bottom of pot? You know you have been told to soak them all in a tub of water before potting them. Just take another look at them to be sure they are not wilting. Are you growing any foliage or fancy grasses to go with lilies this season? It is a good plan to do so. C. B. W.

Red Spider on Carnations.

What is the trouble with the carnation foliage I send? SUBSCRIBER.

Your plants are infested with red spider and the way the branches look there must be a good dose of them. The only remedy against this pest is water, judiciously applied. If your benches have good drainage use the hose freely for several days in succession on the infested plants with the whole force at your disposal, spraying so all sides of the plants receive a share of the dousing. This is especially effective on sunny days when the little rascals are more active in their perambulations over the leaves, often spinning very fine webs. In this state a sudden dousing comes unawares and is more effective. FRED. DORNER.

MIKE: "What was it Pat said when he fell through the roof of the greenhouse?" Denny; "Oi have a pane in me soide, begorry!"—*Fun.*

Jardinieres, Pots AND Pedestals



ADAPTED TO

Florists' Use.

Artistic Shapes and Decorations.

Write us for Illustrations and Prices.....

BURLEY & TYRRELL, 42=44 Lake St., CHICAGO.

HOLIDAY SUPPLIES.

HIGHEST QUALITIES. CLOSE PRICES.

HOLLY Our XXX Brand, the GOOD kind. We can also supply SOUTHERN OR COMPETITION STOCK.

BOUQUET GREEN, ALL GRADES Prices accordingly.

IMMORTELLES
CAPE FLOWERS,
Rattan for Wreaths, Etc., Etc.

EVERGREEN WREATHING. LIGHT, MEDIUM, HEAVY.

WRITE FOR OUR HOLIDAY CIRCULAR, JUST ISSUED.

BOOK YOUR ORDER NOW FOR NEW GROUP OF **TUBEROSE BULBS.**

True Excelsior Pearl "Hallock" Strani, Strictly First Size, per 1000, $8.00.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.



HARDY FERNS

WARRANTED FIRST QUALITY.

SPECIAL ATTENTION PAID TO SUPPLYING WHOLESALE DEALERS.

Write for Prices.

—ALSO DEALER IN—

BOUQUET GREEN, SPHAGNUM MOSS, CHRISTMAS TREES,

Etc., Etc., Etc.

L. B. BRAGUE, - Hinsdale, Mass.

Oldest, Largest, and Most Reliable Dealer in the United States.

Grand New Lily of the Valley.



Convallaria Majalis Alba Grandiflora. "Fortin Variety."

First Class Certificate R. H. S. of France.——Award of Merit R. H. S. of England.

Worth Your Notice

THIS Grand New Lily of the Valley, which we are now able to offer in large or small quantities, is **twice the size and substance** of the best strain of the Berlin variety. From the photo reproduction herewith it will be seen as photographed side by side with first-class Berlin stock. The foliage is particularly robust, and the flower spikes equally so, averaging 1 ft. in height; the individual bells are quite double the size of the ordinary variety, of purest white, and **average at least 18 to 20** on a spike.

American growers who anticipate growing their own Valley should begin with our 1 year planting crowns of Fortin's.

Strong Flowering Crowns, **$3.00** per 100; **$25.00** per 1000. Strong one year planting crowns, **$5.00** per 1000; **$40.00** per 10,000. Special prices for large quantities.

LAXTON BROTHERS, Bedford, England.

TERMS—Cash with order or London reference.

Six Six Six **6 Years** In the Lead and Still There!

"CARTER'S DECORATIVE EVERGREENS."

Dame Nature has put a gloss on our greens this season; they are greener than grass and as smooth as glass. Especially our Wild Smilax, which is the finest I have ever seen. Carter's Wild Smilax is packed only in three different sizes. Size No. 1, "our largest"; cases contents of same will cover 600 square feet; net weight 50 pounds, price $8.00. Our No. 2 cases will cover 400 square feet; net weight 35 pounds, price $5.50. Size No. 3, our smallest, "little but loud," cases will cover 200 square feet, net weight 25 pounds; price $3.75.

WILD SMILAX.

Brothers, there is a "heap" in the name when it comes to decorative evergreens, especially Wild Smilax, and you want to see that you get "CARTER'S." Let me tell you why it pays to get "CARTER'S" because they are carefully selected, free from trash or sticks, neatly packed in well papered nice light cases, fresher than others because his goods are gathered and shipped the same day. Weather cuts no figure, his teams are running, rain or shine.

PALM LEAVES, "Chamaerop," "Sabal."

Chamaerop Palm Leaves—These beautiful palm leaves will not wilt in decoations and will last quite a while, cut with long stems. Can furnish any size—any quantity—$3.00 per 100. Sabal Palm Leaves, "the steam heated room kind," a close second to your prepared palms. We can furnish any size, any quantity, cut with long stems, $4.00 per 100.

PALM CROWNS... ...NEEDLE PINES.

Chamaerop Palm Crowns, 3 to 5 feet high, 4 to 10 leaves, per dozen, $4.50. Long Needle Pines—Florists are continually increasing their orders for "CARTER'S" superb brand of Needle Pines. Last season was a "Record Breaker." I have another lot that is fit for a king. Assorted sizes, per dozen, $3.00.

Write for prices on Holly and Mistletoe. Our agents:

W. S. ALLEN, 17 West 28th St., New York.
E. H. HUNT, 76-78 Wabash Ave, Chicago.
ELLIS & POLLWORTH, 137 Oneida St., Milwaukee, Wis.
S. S. PENNOCK, 1612-14 Barker St., Philadelphia.
HUNTINGTON & PAGE, 78 E. Market St., Indianapolis, Ind.
E. H. MICHEL, 1620 Olive St., St. Louis, Mo.
A. W. LIVINGSTON'S SONS, 114 South High St., Columbus, O.

Can furnish stock promptly or will be sent express charges paid when cash accompanies order. "WE NEVER SLEEP," therefore are never caught napping. Let us have your XMAS orders.

GEORGE M. CARTER, Evergreen, Ala.

Providence, R. I.

The annual exhibition of chrysanthemums under the management of the Rhode Island Horticultural Society opened in Music Hall on the 11th and continued three days. The rain of the first evening prevented a large attendance; on other days the patronage was very fair. The hall was well filled with exhibits and about all space was occupied. There was a noticeable falling off in fine specimen plants. Judging from that standpoint, the show was not quite up to some former exhibitions. Cut chrysanthemum blooms were superior on the whole, being better grown than last year. Not many new varieties were shown.

The arrangement of groups about the hall was much better than ever before. Groups of chrysanthemums, palms and miscellaneous plants were very artistically massed, it being the desire of each exhibitor to carry off the first prize for the most artistically arranged group. The display was not confined to any particular class, commercial men, private gardeners and dealers taking equal interest. The Providence Ladies' Orchestra was a pleasing feature of the show. They gave a concert each evening.

J. J. Jensen, of the Park Greenhouses, made a very artistic display of mixed plants, foliage and blooming. In the center stood a broken column about 9 feet high made of yellow and white chrysanthemums, Daybreak carnations and English ivy, on top of which was a large dish of growing ferns surmounted with a white dove. The effect was very pleasing and represented much labor. Miss Willard, of the Hope Greenhouses, made a lavish display of plants usually grown in a greenhouse. They were grouped with good effect.

Wm. E. Chappell made a very pleasing display in pyramidal form of miscellaneous plants under a Japanese canopy. Around the base were yellow chrysanthemums in pots and Nephrolepis Davallioides, also a group of palms and Ficus elastica. Fairbrother & Wood made a big display of the Boston fern banked to the ceiling under the balcony. They also displayed cut flowers. Wm. Goddard, Alfred Powell, gardener, made a fine group of choice plants not grown for profit about here which were beautifully arranged. Wm. Hill made the banner exhibit from the critic's standpoint, displaying about the same line of plants as is usually found in private places. Ed. J. Johnston's display was all right; he always does things that way. Hazard Weeden Co. had a very creditable display of well grown plants beautifully arranged. LITTLE RHODY.

Christmas Trees.

All perfect specimens, nursery grown, superior to trees collected from the woods. Prices f. o. b. cars, Geneva.

		Per 100	1000
SPRUCE,	3 to 5 ft.	$8.00	$70.00
"	4 to 7 ft.	9.00	80.00
"	6 to 9 ft.	12.00	110.00
"	8 to 10 ft.	20.00	150.00
BALSAM FIR,	3 to 5 ft.	10.00	90.00
"	" 4 to 7 ft.	12.00	110.00
"	" 6 to 8 ft.	15.00	125.00

W. & T. SMITH CO.,
Nurserymen,
GENEVA, N. Y.

Mansfield, O.

The Berno Floral Co. have added another rose house to their plant, covering 12x50. Mr. Berno reports trade as being quite encouraging. Their new delivery wagon, if I may put it thus, is a "thing of beauty and a joy forever"—a joy to Mr. Berno, who can take out his palms in zero weather and rest assured that Jack Frost cannot touch their tender leaves. It is a handsome as well as a most serviceable construction and attracts a deal of attention as it flies along the business thoroughfares of the town.

Mr. Henry Beam was "beaming" with pride as he took us through his houses. His stock, both roses and carnations is doing splendidly, and his 'mums never looked finer. HOMO.

Council Bluffs, Ia.

McPherson & Reid have opened a retail store down town with Bert Cole in charge.

J. F. Wilcox has purchased the stock of candy and fixtures on Broadway just west of Pearl street and his opening took place on the 20th. The front of the store was handsomely decorated and the display in the windows was fine. Inside were palms, chrysanthemums and potted plants galore, also a decorated dinner table and sideboard. These attractions and music by the orchestra crowded the place. It was a grand success.

G. R. H.

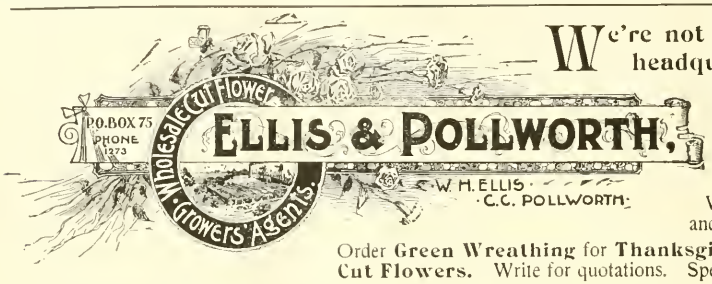
TOPEKA, KANS.—The Kansas State Hort. Society will hold its 31st annual meeting in this city December 28–30. Wm. H. Barnes, this city, is secretary.

Brockton, Mass.

A call for a meeting of Gardeners and Florists to consider the matter of organizing a club brought together a party of about forty on Tuesday evening at the Metropolitan Hotel. Temporary organization was effected and a committee appointed to nominate permanent officers, etc. The delegation from North Easton numbered sixteen. A lunch was served at the close of the meeting.

Read "Special Offer to subscribers" on first page.

ONECO, FLA.—Reasoner Bros. are just completing a model house 20x100 for equatorial plants. It is even span, cypress lumber throughout, 24-inch glass, heating by hot water.



We're not in the woods but we are headquarters for Bouquet Green also select grade Delaware Holly

We also ship out **perfect Palms** and **fine Ferns** at reasonable prices.

Order **Green Wreathing** for **Thanksgiving** now. Unexcelled service in **Cut Flowers.** Write for quotations. Special price in quantity.

ELLIS & POLLWORTH, Milwaukee, Wis.

* * * *

Extra Roses and Carnations, Violets, Lily of the Valley. The best stock offered in the Boston market . . . .

* * * *

GEO. A. SUTHERLAND,

67 Bromfield St., and 18 Chapman Place, BOSTON, MASS.

Price Lists on Application

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Ferns, Moss, Galax, Leucothoe, Palmettos, HOLLY, best quality, and all holiday greens. Largest stock in New England.

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WE LEAD IN

Prices, Quality, Service.

GREEN and HOLLY

WREATHING,
MISTLETOE, Etc.

It is to every Florist's advantage to correspond with us on these items. We know how, have the stock and proper facilities for instantaneous service.

Can save you money whether you buy by the crate, ton or carload.

Send for Special Holiday Circular. . . . .

W. W. BARNARD & CO.

186 East Kinzie St., CHICAGO.

Place Holiday orders now for Kelsey's

(Finest Leaves and Packing.)

GALAX LEAVES

BRILLIANT GREEN AND BRONZE AND

LEUCOTHOE SPRAYS

GALAX—Large or small, either color, per 1000, $1.00; 5000 lots 75c per 1000.

LEUCOTHOE SPRAYS—Per 100, 75c; per 1000 $6.00. Wholesalers supplied at very special rates.

I am packing Original Assorted Cases for Florists as follows.

CASE A—5000 Galax, assorted sizes and colors, for **$3.75.**

CASE B—Same as Case A, and 200 Leucothoe Sprays additional, for **$5.00.**

CASE C—10 000 Galax, assorted sizes and colors, **$7.50.**

TERMS CASH—Shipments from Boston or North Carolina

Give explicit shipping directions, otherwise I use best judgment. **Telegraph orders save time.** Order one or more cases as above, or in very large cases—Galax by thousands, color and size; Leucothoe sprays by hundreds or thousands. Samples and full information FREE. Address all communications to the introducer.

HARLAN P. KELSEY, 1123 Tremont Building, Boston, Mass.

Cut Smilax

15 cts. PER STRING.

RED PRIMROSES, 3-inch pots, $4 00 per hundred.

THE NATIONAL PLANT CO., Dayton, O.

MISTLETOE.

Every piece well BERRIED, $2.00 per bbl.; $15.00 per 10 bbls.

BAKER BROS.,
FORT WORTH, TEXAS

FERNS . . .

In fine assortment, from 2½ in. pots, **$3.50 per 100; $30.00 per 1000** . . . . . .

CHAS. T. DARLING, Stony Brook, L. I. N.Y.

CHRISTMAS GREENS.

Laurel Roping
Holly Wreaths,
Christmas Trees,
Palm Leaves.

Everything in the decorative line at my new store, 40x100.

H. E. HARTFORD,

Established 1870. 23 Sudbury Street, BOSTON.

Grate Bars.

Reading Mr. Henry W. Gibbons' heating in last issue of FLORIST, that part of it relating to grate bars suggests to me the propriety of giving your readers my experience in that line, hoping that some one who has shared with me the inconvenience of grate bars breaking perhaps in the middle of the coldest night of the season, may be enabled to make a change as I have done, whereby any difficulty of this sort may be avoided and advantages gained.

Some fourteen years ago I put in one of John Dick's saddle boilers, in the construction of which the grate bars are merely tubes as were also the sides of the boiler, filled with water, connected with the circulation. For twelve years the boiler ran in every way satisfactorily more especially did the grates, which did not cost one cent for repairs during that time, while right beside it stood another style of boiler with ordinary (improved) grates which was, as Mr. Gibbons suggests, in need of a new set of grates every two or three years and perhaps oftener, and that not through the accumulation of ashes in the ash pit. This necessarily entailed the expense and trouble of putting in the grates to say nothing of the inconvenience of their giving away, as they generally did, just at a time when they were most wanted.

One year and a half ago in overhauling and resetting a 50 horse power tubular boiler for hot water, close system, it occurred to me to borrow an idea from past experience and try and replace the common cast grate in the boiler with something that would be less expensive and inconvenient. The front of this boiler being movable was taken off and two 1½ inch holes bored, one on level with grate and one near the top. A grate was made with two manifolds, in length the width of grate seat, threaded right and left and connected with 1-inch pipe the length of the grate seat, and connections made through the holes in front of boiler with the circulating pipes leading to greenhouse, forming flow and return through the series of pipes in grate.

The result is after one severe winter, and so far towards another, increased power to the boiler, with no appreciable increase in fuel, no trouble of grate breaking down and with thorough combustion of fuel. In fact we would not exchange for common grate under any consideration. We burn hard coal with some wood. There are "doubting Thomases" who will read this and to those I say try it and be convinced. Cannot say how it would work for steam system, not having had opportunity of trying it, but an opportunity of trying is all that is needed to find out how it will work. I am convinced in the case of hot water, where it can be applied, of its great advantage over other grates. R. G. MILFORD.

GEO. E. COLE & CO.

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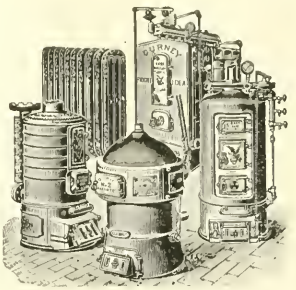
For Florists and Seedsmen,

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Rochester.

Geo. J. Keller, our principal violet grower here, had the larger part of his violet houses planted to early chrysanthemums and had to delay planting his benches until these were ready to cut, which retarded most of his violet crop for a time, but now the houses are all in shape and as his stock is all pot grown, it will not be long before he will be able to double or treble his present output.

A visit to Geo. Savage at the Kimball greenhouses revealed the fact that he can grow chrysanthemums as well as orchids, for the few select varieties which he planted this year are remarkably well done; grown to single stems the flowers are real monsters, his Philadelphias being extraordinary in size and would take premiums in any exhibition. Special mention should also be made of his house of Cypripedium insigne, which just now is at its best. More than a hundred varieties can be seen here and it is a most interesting pastime for the lover of these plants to compare and study the different shaped dorsals with their markings, the pouches and their various shades, etc. The rare C. i. Kimballianum, with the large dots in the somewhat compressed dorsal running into the white and with a coppery lustre in the pouch, is one of prettiest among them. A strange freak also originated here five or six years ago. It is one with a distinctively ribbed or corrugated pouch, a good large flower with broad dorsal sepal and large spots. The plant is now in an 8 inch pot and has opened about 15 or 18 of these peculiar flowers. Every one of them shows the same corrugation and Mr. Savage has named it very appropriately C. i. corrugatum. Several of the pure yellows are fully out, but Laura Kimball, with three flowers is the peer of all, as everybody must admit when they are seen side by side.

Mr. Alfred Dimmock, of England, was a visitor in town and as usual looked over the interesting Kimball collection carefully. His generous offer for another growth of Laura Kimball was refused this time; George wants to grow a big plant of it before he divides it again. Several plants have found their way to England since it bloomed first and dividing so often may weaken the mother plant, which at present is in very thrifty condition, promising several new growths from each lead. Mr. Savage's latest seedling, of which I spoke a short while ago, has received a first-class certificate in New York, although the flower was badly faded on its arrival there and no wonder for it had been open seven weeks before it was cut from the plant, which is kept at all times in the strong heat of the stove house. The bright colors had by this time faded out and in my opinion the New Yorkers have not had a chance to do full justice to this marvel; another year they may have a chance to see a fresh, well colored flower and then look out for a sensation. K.

Grand Rapids, Mich.

The third annual chrysanthemum show of the Grand Rapids Florist Club was held in Lockerby Hall, November 10–12, and from a horticultural point of view proved a success, but financially was a failure; the prize winners will realize only about 20% of their money.

The arrangement of the hall was very good. In the center was a large mound of palms and tropical plants staged by Henry Smith and Crabb & Hunter, the Grand Rapids Floral Co. and Wm. Cunningham occupying the corners which were banked with palms. On the sides of the hall were many well grown standards interspersed with handsome bush and single stem plants. On the stage was a handsome display of cut flowers and in the rear of the hall a bank of palms, exhibited by W. Cukerski of the City Greenhouses, not for competition, attracted much attention.

Mantel and table decorations were in evidence and a display of pansies, made by Mrs. E. Arnold, was greatly admired. The single stem, standard and bush plants, grown by Crabb & Hunter were magnificent and well worthy the premiums awarded each, as were likewise the chrysanthemum cut blooms staged by the same firm. In roses, Henry Smith and the Grand Rapids Floral Co. made some fine exhibits, as did also Wm. Cunningham, Geo. Hancock & Son and others.

Mr. Breitmeyer, of Detroit, acted as judge, and the prizes were distributed between Crabb & Hunter, Henry Smith, Grand Rapids Floral Co. and W. Cunningham.

St. Joseph, Mo.

The 'mum show at Krug Park attracted many visitors and was a decided success, thanks to Supt. Rau.

Mr. J. N. Kidd held a fine chrysanthemum show, some 1,500 well grown plants being included in the exhibition. A decorated mantel and wedding table attracted much attention.

Mr. D. M. Reichard reports business as very encouraging.

Mr. E. Wiseman has taken charge of the conservatory at the State Asylum No 2.

The chrysanthemum Society of Oregon, Mo., visited this city to compare the different varieties of 'mums. N. J.

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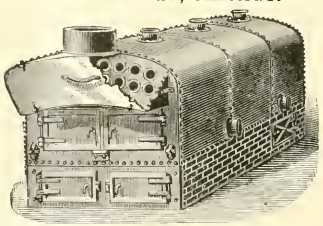
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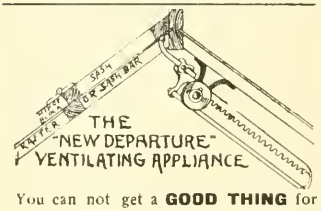
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Our 1898
DIRECTORY.

We are now at work on a corrected edition of our Directory and Reference Book which will be issued promptly on February 1, 1898. The list of those in the trade will be corrected up to date and the A. B. C. lists of Roses, Chrysanthemums, Carnations and Cannas will be carefully revised to include all new varieties, by men who are authorities on such matters. Valuable reference matter will be added, with other features. The advertising pages will be handsomely embellished, and add to the attractiveness of the book. Rates for this advertising on application.

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Madison, N. J.

The fourth annual exhibition of the Madison Rose Growers' Club was held at Waverley Hall on November 16, 17 and 18. With the exception of Tuesday, when disagreeable weather prevalled, the attendance was gratifyingly large, and the exhibition throughout was unquestionably the best the club has made.

The hall was beautifully decorated with festooning and groups of foliage plants. The exhibition was auspiciously opened by Mayor Albright with a brief address, in which the local history of rose growing was reviewed and the excellence of Madison's chief product praised.

Naturally roses occupied a prominent place and the prize winning vases were superb. On American Beauty, L. M. Noe, L. A. Noe and M. Tilden were the most prominent prize winners. On Bride and Bridesmaid, James Conroy, Wm. Charlton, J. D. Burnett and Walter Reid were winners in the order named. In the other classes, C. R. Christie and Wm. McCormack were leading contributors. Mr. Christie's mignonette was very fine and the stove and greenhouse plants from Wm. Charlton and M. B. Maguire, added to the attractiveness of the hall.

C. A. Work made a pretty exhibit of flowering plants, not for competition. Other exhibitors of note were: H. Quimby, who showed carnations, Cosgrove & Son, flowering plants, Thomas Keefe, J. J. Ryan, J. Querney, George Nichols and Wm. McCormack, who staged roses in variety.

The judges were Alexander Burns, Patrick O'Mara and Peter MacDonald.

Jackson, Mich.

A carnation house, covering 20x156, built in the best possible way and equipped with all the modern appliances, is a recent addition to Mrs. C. Brown's greenhouse plant. With this new addition Mrs. Brown will have a total of 15,000 feet. Both Mrs. Brown and Mr. Joseph Blessing were unusually busy with funeral work during my recent call. HOMO.

WRENTHAM, MASS — M. Meyer has leased the greenhouses of the late G. A. Draper for two years and will open for business about December 1.

PORTSMOUTH, N. H.—The magnificent conservatories of Hon. Frank Jones have been visited during the past fortnight by nearly 4,000 people, who came to admire the superb chrysanthemum display. This large public attendance was very gratifying to Mr. Robert Paterson, the gardener, although nothing more than such a fine exhibit of the gardener's art was entitled to.



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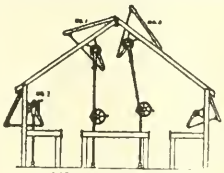
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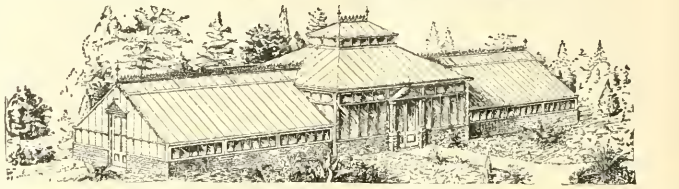
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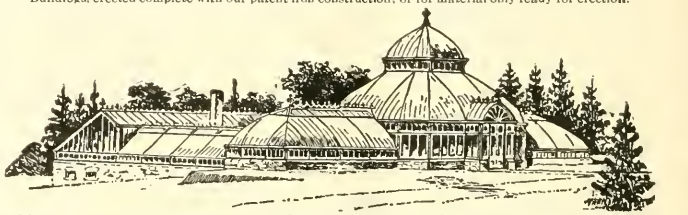
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AMERICAN CHRYSANTHEMUMS AT ENGLISH SHOWS.—Major Bonnaffon, Col. W. B. Smith, Modesto, Inter Ocean, Western King, Shasta, G. W. Childs, Golden Gate, Mrs. E. G. Hill and W. G. Newitt were very much in evidence at the English shows. Australian Gold, exhibited in this country for a certificate as an importation, was a winner at many English exhibitions.

SUGGESTIONS FOR THE HOLIDAY TRADE.

Plants Suitable for Christmas Gifts.

Most all the palm family may be recommended for this purpose. The Kentias—Belmoreana and Forsteriana—are perhaps the best, closely followed by the Latanias (Livistonia) and Areca lutescens. The latter, being of quicker growth than the kentia, is perhaps more profitable for the florist to handle because he can conscientiously give his customers more for the money expended. It will not bear neglect quite so well as a kentia, but I do not believe in encouraging neglect in house plant culture. The Araucaria excelsa is also good, especially for a cool room, whereas some of the plants recommended would not last very long in a temperature that the subject under consideration would delight in.

Adiantum Farleyense makes an elegant Christmas gift, and although many people cannot keep it very long in good condition in a dwelling house, still we know of cases where it is grown with great satisfaction in a sitting-room where the temperature never or rarely ever goes below 70 degrees at any time, either at night or in the daytime; and it must be borne in mind that in the dry atmosphere of a residence it receives water at least once every day and sometimes twice. The cool air from the outside must be kept away from this tender child of the tropics or it will surely suffer.

In a recent number of a contemporary the editor in randomly guessing at the probable origin of this remarkable Adiantum states that it is supposed to be a sterile form of Adiantum Capillus-Veneris. The best authorities give it as a possible form of A. tenerum, though some experts suppose it to have sprung from A. scutum either as a sport or as a seedling. I have seen and handled hundreds of these plants and have never yet noticed it produce a fertile frond. The only way to propagate it is by the division of the crown.

The Nephrolepis exaltata, whether it be the Bostoniensis or some of its near relatives, also makes a grand plant for this season, especially when grown with sufficient room to give the fronds that graceful arching form, which our Boston friends have developed so much as to give it an international reputation. It is more readily propagated and grown into a large size than is the Farleyense fern, and it is bound to become one of the most popular plants for the purpose indicated that we have in the whole list. It will flourish in a lower temperature than will the adiantum above referred to, and if it is used to decorate a room cooler than the comfortable temperature of a sitting-room, water at less frequent intervals will have to be given. Any fern which may be grown to generous proportions may be recommended for the purpose under consideration. The idea which I wish to convey in this connection is that we must keep in mind what is profitable to handle. In the larger cities where all plants, no matter how small they may be, are expected to be delivered, it does not pay to deliver a plant the price of which is twenty-five cents where the cost of transportation alone may be ten cents, leaving out of the question the time consumed and the original cost of the plant. In this connection we have to be guided altogether by circumstances. In smaller towns where the purchaser carries the plant or plants he has bought with him, a cheaper class of plants may be handled.

Flowering plants are always popular at this gay and festive Christmas time, but if the weather happens to be cold there is much valuable time taken up in the packing if we would have them delivered in good shape. Azaleas are among the most showy subjects for this purpose, and if kept in a cool room will last in good condition for some time.

A well-flowered cyclamen with ample foliage is an ideal plant for Christmas. I have known individual flowers of this plant remain perfect for six weeks in a window having a northern exposure in a cool room.

Nearly all the begonias may be recommended. The bright metallic lustre of B. Thurstonii makes a telling contrast among other plants, and although it is not a free bloomer it may be sold as a small plant and may be grown easily to as large as it can be easily handled.

Chinese primroses are about as useful as anything can be in a flowering plant, as they may be sold as a small plant cheap, or may be grown in size to occupy an 8-inch pot or a 10-inch pan. Plants of that size healthy and strong ought to retail readily in limited quantities at from seventy-five cents to a dollar each.

Lilium Harrisii for variety can be used to some extent, and if the buds are showing from half an inch to one inch in length by putting them in a temperature from 70 to 75 degrees at night and an increase of 20 degrees in the daytime, they may be had just right for Christmas.

Most of the showy and beautiful crotons may be recommended, and if given a sitting-room temperature and carefully protected from cold drafts of air there is no reason why they should not

present a bright appearance all through the winter; but if allowed to become chilled and remain so for any length of time some of their leaves will surely fall. All the varieties suitable for bedding purposes may also with confidence be used in the home.

The use of plants for home adornment is on the increase, and can be still further used if florists themselves would only take plants to their own homes for the purpose of experimenting. Intelligent advice can then be given to those purchasing plants. I wish to emphasize the point that I believe more plants are killed by neglecting to water them than all other causes combined, and especially is this the case in the hot and dry atmosphere of American homes. If a plant is not over potted and the pot is full of live working roots when taken in a dwelling-house it will require a good watering at least once a day and very often twice—that is to say, if it is placed in a temperature of from 65 to 70 degrees. The first few days of a plant's life in a dwelling-house generally seals its fate. The change from the moisture-laden atmosphere of a greenhouse to the dryer one of the residence is very great, and if water is not given in generous quantities at the root in the two or three first days of its new and radically different environment its doom is sealed.

Enough thought and experiment by practical men has not been given this branch of the retail trade, but it will come in time and the volume of business largely increased thereby if accurate and thoughtful advice is given along these lines. Is there such a thing as a plant remaining too long in a house in perfect condition? I think not. Every healthy plant in a home is a constant advertisement and will encourage everybody who sees it to go and do likewise. Make a rough estimate of the number of homes there are in America, you who are mathematically inclined, and that will give you an idea how many plants could be used in this broad land if only one in a hundred made an intelligent effort to grow them therein. W.

Holiday Trade.

Trade is always assured on holidays, and especially at Christmas. One does not need so much to push it at this time of year, as to wisely prepare for the rush. One thing that is possible to do is to get up a lot of salable plants suitable for the season, and see that they are in the pink of condition. They will sell, as every report of Christmas trade intimates. Besides the palms and plants in general of this description, don't neglect blooming plants; everybody seems to want them, and while there isn't the variety to be had as at Easter, the trade isn't nearly as critical. Some of the newer begonias are compact growers and at this season of the year are fairly smothered in pink white or blush bloom. Those of the semperflorens type seem to do well in the house and give satisfaction. Primula obconica, grandiflora type are really beautiful in growth and flower, notably Grandiflora fimbriata which is equal to Sinensis fimbriata, and much more graceful. These new hybrids are such an advance that the older obconica must give way.

The cyclamen trade is immense at this time of year, and is to Christmas what azaleas are to Easter simply indispensable. Try it for plateaus, bedded in green moss and bordered with small ferns. Speaking of ferns, Nephrolepis cordata compacta in many respects is more useful than the so-called Boston fern. It sells at sight in all sizes. Pteris serrulata cristata nana, is altogether the best one fern for ferneries. It is so lasting, and not nearly so perishable as are many others.

Compact plants of Otahcite orange well fruited in a neat jardiniere, are excellent for table use at the Christmas season and are often used, set inside a wreath of holly—made to order, not the common stuff—hawked about. That is generally quite too common for any nice use. Christmas greens can be profitably handled by the florist provided he deals in first-class stock only. The common grade is piled up everywhere, and there is no money in it.

The best selling cut flower in quantity, of course, is a colored carnation. If all white flowers just at this particular time could be dyed-in-the-wool anarchists, what a boon it would be to the Christmas trade. White flowers being naturally in preponderance, colored ones must bring more money and therefore quote accordingly.

There will be no surplus of cut flowers. The season is not at all favorable for big crops in any of the usual lines. Violets will be good, but not in extra supply. From what I have learned there will be a shortage of good carnations and first-class roses will be scarce. I am quite sure there will be no slump and the disconsolate wail that is becoming a chronic "chestnut" at head centers will let up for the time being. The fact remains, good flowers are bound to sell, but there always seems to be a flood of worthless trash, that in these days of critical buying is not only superfluous, but a folly to accept at any price. It is no use to attempt to sell anything but fresh cut flowers at Christmas.

As might well be expected there is considerable friction in holiday trade, supplies don't pan out as expected or promised, and in the rush some blunders occur in filling orders, and many customers are Shylocks to deal with. Altogether, one sometimes wonders where the "good will to man" comes in. As we grow older in experience we learn, however, that tact and finesse overcome much of the friction, and philosophically accept exasperating competition. GROVE P. RAWSON.

Holiday Trade in the Retail Store.

The first thought that comes to the writer's mind is an attractive store, not from the window alone, but inside as well. Windows can be made to look very attractive by being adorned with holly to form the border, and some choice plants of adiantum in front as close to the window as possible, then a row of cyclamens raised above the adiantums, and a background of kentias and Pandanus Veitchii with a vase of poinsettias, and a few bright colored wreaths of cape flowers suspended from the ceiling. I think we all make a mistake in waiting until the last minute to decorate our store for the holidays. The store should be in shape at least one week before Christmas with every temptation to induce the purchaser to buy and order ahead. It will not only help us financially, but gives a certain prestige to the place, and the customer will say, "They are alive and up to date."

Last year taught us a lesson not to be forgotten this year. The demand was greatly increased over the previous year for potted plants, and the sale of roses and cut flowers was less, for the simple reason that cut flowers are expensive and the grower will not be induced to not "pickle" his stock, so nothing is gained in this respect, for by the time the retailer sells that stock it is anything but fresh, and our customers are awake to this fact, as they make more substantial purchases in the line of palms and blooming plants, thereby having something to show for their money after Christmas day is over; take, for instance a choice Kentia Belmoreana in a jardiniere or pot covered with crepe paper with a bow of ribbon on each side.

We had last year a big demand for azalea plants, the pot being covered with crepe paper, keeping the color of the paper in harmony with color of the flower. These plants can be sold from $2.50 to $5 and $6 each. For a cheaper present primroses can be adorned in a similar manner and sold for 50 cents each. The Boston fern also makes a pretty present, if fixed in the above manner and can be sold for $2. We are filling small baskets with cocos, small Pandanus Vietchii, pteris and other assorted ferns, placing a pretty border of ribbon on top of handle, and selling them for $5, with a nice little profit. S.

Washington Park, Chicago.

NEW CONSERVATORIES AND GREENHOUSES.

For several years the Washington Park conveniences have not been adequate for plant cultivation. The South Park commissioners fully realized this fact, but were anxious not to take any steps toward building until work could be well and satisfactorily done.

The president of the board, Mr. James W. Ellsworth has been ably supported by his coadjutors and the result is a series of horticultural buildings that are up to date and possess all modern conveniences, so that, after all, it has paid to wait. The plans for the conservatory building were designed by the D. H. Burnham Co. of Chicago, and for elegance of outline, utility and convenience they have no equal. A block of houses has also been erected for supplying the conservatory and grounds, which are worthy of being described separately so will defer any further mention at this time.

The conservatory buildings end north and south, with frontage to the west of about 440 feet in length. The material for the basement is stone, surmounted by a skeleton structure of steel and iron, the glazing being mostly ribbed or ground glass.

The dimension of houses are:

	Length.	Width.	Height.
Center dome,	82 ft.	59.	45
North dome,	63.4 ft.	53	37
South dome,	63.4 ft.	53	37
North curtain,	114 ft.	39	25
South curtain,	114 ft.	39	25

The treatment of the interior is entirely away from general usages, there is not a single bench or structure of any kind to be seen, everything is either planted out permanently or plunged temporarily in position. The collection of plants one need hardly say is very rich and after a year's growth the permanent plants will become magnificent, particularly this applies to palms, ferns, aroids and marantas, not forgetting broad-leaved Japanese plants that were secured from the World's Fair. These permanent plants are to be found in the three domes, but it is the treatment of the curtains in which the most interest is displayed by the general visitor. Running through the center is a broad brick walk 9 feet wide, red in color and well laid, the edges have bricks on end forming a herring bone line from end to end, next to this is a belt 10

inches wide of the finest grass turf, then comes the border which extends back to the pipes being about 3 feet high there and sloping to grass verge. The margins in north curtain are red and rose Chinese primulas, about 2,000 plants plunged to the pot rims. Then come masses of the two stevias, great groups of poinsettias, boxes of paper white narcissus. The old yellow cestrum, fine bushes of hibiscus, here and there a fine European laurel and at each end are miscellaneous groups of conifer, agaves and yucca.

The other curtain is treated on the same lines, the objective features being just now a splendid collection of shrubby flowering begonias, of which Mr. Kanst has always had a fine collection. There are boxes containing 4 and 5 plants, each nearly 3 feet across. There are others in 6-inch pots to fit in the margins; then there are big bushes of yellow and white daisies, and numbers of abutilons of nearly every variety known, with some yuccas and agaves. The end north of the house has a semicircular group of cacti, the south end has groups of agaves and yuccas.

Climbers have been planted to cover main ribs of curtain, such as passifloras, jasmines, cledendrons, cobeas, allamanda, bougainvillea, etc.

The curtains are rearranged every other week, and as there is about 3,400 feet of surface in each to be changed some idea of the number of plants required for this purpose can be imagined, as it is intended to have a succession of all.

The heating plant is elaborate and complete. The source of heat is the electrical power house and is the exhaust steam which is virtually what otherwise would be entirely wasted. There is not more than ¾ lb. to 2 lbs. pressure on steam guage when the whole of the plant is running. The system is known as the vacuum plan of treating steam and works perfectly in every detail. Provision has been made so that in case of accident live steam from another source can be used.

The main pipe is 14 inches diameter for 700 feet to where it enters the conservatory buildings. It is carried underground to this point where it enters the south dome and is raised about 8 feet from the floor surface, branching right and left and continuing on either side of the dome. The main is reduced to eight inches on each side of this dome, continuing the same through the south curtain, also through the main dome; coming to the north curtain it is further reduced to 6 inches and ultimately in the north dome to 4 inches. The total length of mains to and through conservatory buildings is 2350 feet. All mains are felted and covered with asbestos canvas.

The heating proper is through lines of 2-inch pipes, nothing but 2-inch pipes being used throughout the entire system. The lines of pipes are placed near and within 8 inches of the exterior walls, with the exception of a 2-inch pipe which is placed along the gutter roof line, which is an excellent idea. No more simple or satisfactory arrangement could be made taking up little space and easily controlled.

The lines of 2-inch pipes in the main dome are, 4 pipes wide and 8 deep (32), south dome 4 pipes wide and 8 deep (32), each of the curtains 44 and north dome 24.

Automatic drip cups are placed on lower points of each line, which work splendidly. The condensation, which is remarkably small, is returned to the power house. There is not the slightest disturbance in any of the pipes or uneven circulation.

The ventilator in general use is the challenge.

The entire charge of the indoor department has been intrusted to Mr. Edwin A. Kanst who has been brought up under the tuition of his father and will no doubt fill the position with credit to himself and all those concerned. Mr. Kanst informed me that what with the extra outside work at Jackson Park together with many changes in Washington it is much better to have a responsible head for each department.

J. T.



WASHINGTON PARK CONSERVATORIES, CHICAGO MAIN DOME, LOOKING SOUTH. DECEMBER, 1897.



One of the first requisites for the successful culture of orchids, as with most other plants, is a suitable compost for them to root in, and to the beginner it is a source of much perplexity as to what is meant by "peat." It may be here explained that there is no such material in commerce here for general use in horticulture; it is a term borrowed from the European cultivators, and while some growers go to the expense of importing it for their plants, it is neither indispensable to success nor even desirable. In a conversation once enjoyed with an excellent European plantsman, he stated it as his belief that the material that was furnished naturally in the country in which the cultivator lived, was always the most suitable for the culture of orchids. At that time our fern root was under trial in the best English collections, and I learn since has been condemned after a fair and exhaustive trial. In Ireland, as well as on the European continent, the Polypodium vulgare grows freely on the oaks in the damp woods, and there is no better fibre to use than this in those places, but again in England it is said to be a failure. The English peat is unsuitable here because of the great amount of water we give our plants, mostly with the hose too, this has the tendency to sour the mass which speedily kills all roots, where with the use of our native material, it is difficult to give too much water in the growing season in summer, and the greater amount of fire heat used here in winter dries out the plants, making it necessary to apply as much water in winter as in summer.

And now a word as to what is meant by "fern root." I do not think there is any part of the United States were moisture is present in soil and where ferns grow naturally, that we do not find the osmundas common in a wild state; they always form huge tufts of fibrous roots that are each year formed layer on layer above the last year's growth. In our section it is possible to tear up mats of osmundas that cover a square yard and are as much as to two men can lift The species that produce these mats are Osmunda cinnamomea and O. Claytoniana, or interrupta. O. regalis does not make as suitable material as the preceding, as it frequents swampy places, and one should never look for material in such a location, no matter how good it may seem; always dig it on dry high land if possible, it will be sweeter, less full of water, fern spores, lichens and other extraneous matter. We are getting in our winter supply now and the men use axes and a mattock to get it up, it is then cut in slices with a cross-cut saw, about an inch or more thick, and when all loose earth is teased out and the fern rhizomes removed it is ready for use. If not all needed at once it is put into barrels until wanted, only taking care to cover the barrels to make it air tight to prevent drying out. If the material be stored in this way, there will be no tendency to decay or mould over directly water is applied as when the root fibres are allowed to become dry and dead, the material is living and fresh always and easily cut into pieces suitable for the size pots to be used.

Anyone who has undertaken to manipulate a mat of the "raw material," as it is dug, will readily understand the need of a saw in the first stages of its preparation. A sharp axe will make little impression on it, and after the slices get dry and dead, it is even harder still to cut, so for the easy cutting into shape on the potting bench, we have a carpenter's draw-shave with one handle cut off and the other made straight; it looks like a narrow meat-axe, and is an excellent tool to work with, as it is easily kept sharp. It will be found that there will be two grades of fibre as the result of a large piece of osmunda; the lower strata will be black roots devoid of root hairs, and the upper ones will be bright red-brown, much the color and consistency of a sponge. The latter is the best to use for a top layer when potting, as it presents a free surface rooting medium, and the coarser fibres will be best to place first round the plants as it will take a long time to decay. It will stand good for four years in a pot watered continually, and this is where our material has the advantage over the foreign peat. For odontoglossums, dendrobiums, miltonias, and all fine-rooted orchids we use the brown fibre alone, with of course the addition of moss, and for the coarser rooted plants the coarser fibre is very useful.

When moss is used in the potting material, it is always sphagnum, and it answers a two-fold purpose if used in a living state and induced to grow on the surface of the pots. It is a sweet live material that orchid roots love to ramble in, and is an excellent indicator as to the amount of moisture present; one can tell at a glance if the plant be dry by the whitened appearance it assumes, enabling one to pick out ten dry plants among a thousand in as little time as it takes to write it, so it is a great labor-saving device as well as pleasing to look at. There is an old saying that was drummed into us in our 'prentice days, "that where the moss grew well the plants were sure to be happy," and it may be freely translated to mean that while there is no sympathy between the moss and the plants, the constant and careful application of water, necessary to keep the moss in a living condition is just what the plants themselves need. Sphagnum moss will never grow when watered with water that is impregnated with lime, and in lime-stone districts the moss is never found growing wild. I know of an enthusiastic cultivator who constructed tanks to conserve all the rain water that fell on the roofs, and until the newness of the tanks wore off it was impossible to get the moss to grow on his plants. It is thriving now nicely and he feels happy, for nothing adds more to the appearance of a well grown plant than a nice surfacing of moss in a living state. For cattleyas we never use a particle of sphagnum, having found that it is too apt to decay and sour the rest of the material, and it is not easy to take it out and replace it with new as in the case of odontoglossums and dendrobiums that bear root disturbance better.

In gathering sphagnum moss for use, all that is white including all the lower portion must be rejected; it is dead and of no value, just the live growing tops are all that is of value, and these will soon grow even if chopped up before use.

Many people have the impression that orchids are parasites; they have got the word parasite and epiphyte mixed up, for while the majority of orchids are air plants or epiphytes, that is, living on other plants but not at their expense, true parasites are not common in the vegetable world. The mistletoe and dodder are two most common examples, and



WASHINGTON PARK CONSERVATORIES, CHICAGO. NORTH DOME, EAST SIDE, LOOKING NORTH DECEMBER, 1897

these live at the expense of their hosts, indeed the mistletoe is eventually the death of the plant that bears it. I well remember a willow tree four feet through at the base that gradually became ever green with its load of mistletoe, and then was blown down in a gale, being sapped dry by the crop of mistletoe.

There is no doubt that orchids do derive benefit from the trees they grow on as instances are known where the tree having died the plants ceased to thrive, and again in greenhouses, plants that are difficult to grow in any other way, proved tractable when attached to tree-fern stems that were living and growing; we have a lesson to learn here, that anything sour or inert, in a word, dead, is inimical to the welfare of epiphytal plants. It is best where possible to replace the material at the roots as often as once a year with such kinds as bear root disturbance readily, such as most cypripedes, miltonias, odontoglossums and some dendrobiums. It will be found that the new roots will start off with much greater vigor when they have fresh live material to root in instead of sour dead particles that have done duty for the year past. Cattleyas are most impatient of root disturbance, and where possible at all times it is best to repot very carefully, even to sometimes placing the whole plant, pot and all within a large receptacle rather than cut so many roots.

Just here a word as to receptacles. We used to grow all cattleyas in wooden baskets or cribs, and it must be admitted they grow well suspended from the roof of the houses that were used for roses, but we found that with the best intentions possible to do what was necessary in the way of watering, there were sure to be times when water was not given when necessary and the plants suffered, simply because they were up out of sight. And again it was noticed that when a plant had filled the receptacle and the roots were wound round the bars so tightly, it was necessary to cut them off in the effort to save them, and at the corners they were so tightly laced together that it was impossible to re-basket a plant without half killing it, and it often took years to get it back again to the same vigor, some not having recovered yet. So we gave up the system and adopted earthen pans, made deep and perforated round the sides with holes proportionate to the size of the pan, and all are now stood on benches in full view so that none are neglected, and when we have a plant firmly established in a perforated pan, the same can either be cracked in pieces and the old soil removed, or the pot and all can be placed entire in a larger one. Growers have their preferences for each system, but as for us, we shall never return to wooden baskets. But if one must use the latter, see that the wood composing them is round, and then when the point of a root reaches the wood, it will cling and run round it instead of going off at a tangent directly it reaches an angle, only to be broken off the first time the plant is dipped in water. All of these may seem small matters to the reader, but it is just these that go to make up the difference between failure and success, and the conclusions reached have been the result of much inquiry and some personal observation, and it is always the case that in taking up anything new, it is the small details that are the stones in the path; things that are thought too trivial for elaboration in the classics, and yet when the beginner meets them, they rapidly assume the appearance of mountains.

E.

Precautions Against Fires.

In the past, I have often wondered why the old line insurance companies were so shy in accepting greenhouse risks, as it has always seemed to me, that with proper care in building, and reasonable precaution afterwards, there should be no more danger of loss by fire in the florist's place, than in plenty of other establishments which are not nearly so expensive to insure. Greenhouses are not generally a total loss by fire, as other frame structures usually are. The benches and the other inside material is generally water-soaked, and the amount of wood needed in the frame is small, when you consider the ground it covers.

There must be a cause for the stand the insurance people take, as their agents are apparently always anxious for business. The cause, I firmly believe, lies, in a great measure, with the florist himself. A great many of them do *not* use proper care in building or reasonable precaution afterwards. How often you see fire-pits under the working sheds, with scarcely an air space between the floor of the shed and top of the boiler or furnace, these pits too often being the receptacles for waste packing material, paper, etc. This has often been the cause of fires, not only in greenhouses but also in dwelling houses, when they make the ash pile also the rubbish pile for combustible material. Again, chimneys and short connecting flues will be built directly in contact with the side of a frame building, this would be all right, were our boilers so perfect that they would use all the heat, but unfortunately this is not the case and the smoke flue will often get hot enough to ignite wood or other inflammable material that has had months, perhaps, in which to get perfectly dry. The ladder or steps leading to furnaces, generally made of wood, will sometimes be found dangerously close to fire door, with the cinder heap near enough the foot of the ladder to leaving the top of bricks fully exposed to view. The flue connecting chimney and boiler, should be well clear of all wood work, and the steps leading to the fire, if they be made of lumber, should be as far as possible from the fire, and do not throw hot cinders near them. The boy who does the chores should be positively prohibited from sweeping anything into the stoke hole, and it should be his duty to look carefully over the top of the boilers and flues once each week, to see if any leaves or other easily ignited trash had lodged there by accident. Follow him around yourself once in a while at this work, and call his attention to any rubbish he has failed to clean off, and he will soon understand that it is of the most importance to keep that part of the boiler clear of such things.

As I said above, a greenhouse is not an especially inflammable building, but the potting or connecting sheds are at times terrors. Packing boxes, of paper or wood, old or new, are scattered around, bundles of stakes covered with cobwebs, which have been there so long getting ready and dry, shavings from carpenter work done yesterday, and a few bundles



WASHINGTON PARK CONSERVATORIES, CHICAGO GROUP OF CACTI END OF NORTH CURTAIN, DECEMBER, 1897.



WASHINGTON PARK CONSERVATORIES, CHICAGO. SOUTH CURTAIN, LOOKING SOUTH DECEMBER, 1897.

of excelsior or hay, left over from packing the last shipment of plants, and all this in that part of your establishment, I might say the only part of your establishment, where a fire can start. When such conditions exist, and they do exist in many places, is it any wonder insurance companies ask a large premium for insuring greenhouses? While it is well to take every precaution against a fire, it is only prudent to have some means of extinguishing it, if so unfortunate as to have a fire on your place. As every florist uses a large quantity of water in his business, it seems right to suppose he has a good supply to draw from, either stored by himself or in elevated tanks or drawn from the town water company, and I would strongly advise keeping a hose always attached to a pipe in or convenient to all boiler houses or work sheds. A small ¾-inch garden hose is better than nothing, but better still would be a 2-inch linen fire hose, with a brass discharge pipe reduced to ¾-inch hose to be connected direct to water main, and folded on a bracket set up for that purpose, in such a manner that it can be run out, and water turned on at a minute's notice, as in the early stages of a fire a short delay in getting your apparatus to work is often the cause of considerable loss. If linen hose is used it should be stretched out and tested with the full pressure of water at your command every three or four months, to see that there is no decay or rot going on in it. After testing it should be thoroughly dried before folding again on the bracket, which of course should be in a dry place. The cost is not great, as such hose may be bought anywhere from 10 to 30 cents a foot; if rubber lined it would cost a great deal more. It would only be necessary to use a length sufficient to reach through the shed in which it was hanging, unless you wished to give that much protection to other outside buildings.

I do not wish to convey the impression that I have avoided mistakes mentioned or used all precautions suggested, for I have not, but must plead guilty to having had sometime during the twenty years of my commercial life, all the conditions spoken of. N.

Carnations Summer Planted Under Glass.

We are giving the growing of carnations under glass all summer a trial this season and are well pleased with the trial made so far.

It is a little too early to shout much in favor of the plan, as yet, but comparing plants of several varieties treated both ways, the best results are from those grown inside all summer, particularly so, as regards stem and health of plants though treated the same, or as nearly so as possible, as the plants lifted from the field. The only thing we have found against those grown inside is that they are a little later coming into flower, though we cannot decide definitely about this, as most of the varieties under trial are novelties of 1897, and a great many of the plants were very small when planted.

We have one house of Flora Hill and one of Mrs. McBirney (this variety, by the way, seems to us to be one of the best that ever came from Richmond). The plants came to us May 20, rooted cuttings from the sand, and were potted into 2½-inch pots and placed in a light house without any shading on the glass, and remained in these pots till planted on the benches July 20. Of the shading that was on the glass at time of planting, a 6-inch strip down the center of each pane was left for about fourteen days, after which time we gave them the full sunlight, with an occasional light syringing, and were very careful to only water just around the plants till thoroughly established. The plants were not long in taking hold of the soil and since then they have made rapid growth. Most of them today are showing ten to fourteen stems, with buds three parts developed, but the best thing we find in favor of indoor grown stock is the very few malformed or even second grade flowers and also scarcely a trace of disease of any description.

We have only given three applications of liquid manure to our carnations, so far, this season and this is the only stimulant they have had except what is in the soil. We now have them in a clean healthy condition, the roots have a thorough hold of the soil and the plants are ready to take up the stimulants when judiciously

applied, a good condition surely when we have to figure on the next two months of dark cloudy weather with scarcely any sunshine. The most objectional point raised among the growers in this section is that you have to throw the old plants out too early, but I have always found that about the middle of July it is time to think about cleaning out your houses. I don't mean all of them for there is a demand at this time for white carnations but taking for instance Daybreak and some of the deep pink varieties, they are by that time of little value so that you only lose about a month, to what you would if planted with plants from the field. C. W. JOHNSON.

New York.

The usual complaint on the part of the commission men and the growers over what is to them dull business is heard again. Receipts of flowers are light and the demand seems correspondingly small. The retailers do not talk so despondingly and, as a rule, seem satisfied with the present volume and general condition of business so far as cut flowers are concerned, their only trouble being with the plant trade, which they say is greatly injured by the competition of the department stores this season, remunerative prices being out of the question under such circumstances. In looking for an explanation of the difference in sentiment between the retailers and the wholesalers and growers as to present business, it is evident that even on the dullest days, in the wholesale districts, an enormous quantity of flowers is distributed, and much of the prevailing complaint may be attributed to the fact that there are too many greenhouses, too many growers and too many wholesalers to allow of any of them getting anything like the results of former years out of the business. When a meal is divided among too many hungry people, no one of them can expect to get a full dinner. As none of them are inclined to go without food for the sake of the rest, there is little prospect of a satisfactory change in this respect for some time to come.

The rose question, at present, is in doubtful shape. Of American Beauties there are too many of the extra special quality in sight and these are sold with difficulty at prices that would have been considered ruinous in past Decembers. The medium grades find the readiest sale just now. On Bridesmaids the conditions are exactly reversed, for there is a call for more of the selected stock and a disposition to ignore the poorer grades, which, by the way, constitute the great bulk of the receipts. In this variety, especially, there is entirely too much undesirable stock, irregular in color, weak in stem or out of plumb in some respect, and the grower who figures on getting encouraging returns from it will surely be disappointed.

Harrisii lilies have been too plenty and have sold at unprecedentedly low prices. There is but little need for them during fall and the market will digest only a limited number. The overproduction has, apparently, not been the fault of the growers, who did not make any special effort to place a large quantity on the market early, but is to be attributed to something in the lilies themselves. The season in Bermuda is said to have been peculiar, the dry spring having ripened up the bulbs in May, much ahead of the normal time, and the early blooming tendency is probably due to this fact. The market is full of smilax, and most of it is disposed of at half price, and even then with difficulty.

The meeting of plant growers interested in the establishment of a permanent plant market in New York city, which was held on December 1st at the corner of Canal and West streets, brought together about twenty-five gentlemen. The meeting was called to order by Mr. Lehnig. Mr. Rapp, representing the comptroller and city market authorities, described the vacant space in Clinton market, and explained very fully the conditions on which the stands can be rented. They are 65 in number, and 32 of them have the advantage of fronting on Canal and Washington streets. After much deliberation it was decided to form an organization so as to give more stability to the movement. The officers chosen were F. Lehnig, president; W. Schultheis, vice-president; A. D. Rose, secretary; Herman C. Steinhoff, treasurer. Twenty members joined the association, and 17 stands were bespoken.

The new organization is called the New York Florists Market Association, and is to have its next meeting on first Tuesday in January.

The Thanksgiving bowling contest of the Flatbush Bowling Club resulted in great good fortune to Eugene Dailledouze, who won the 28 pound turkey for the highest score, and another one for the highest average. Alfred Zeller and P. Riley were also fortunate winners.

Chrysanthemum Mrs. C. H. Peirce.

This is an important new variety raised by Fred Dorner & Sons Co., Lafayette, Ind. The flowers are of a fine, rich, yellow color; stems sturdy; foliage pleasing and well arranged on the stem. Awarded several certificates.



NEW YELLOW CHRYSANTHEMUM MRS. C. H. PEIRCE.



Review of Chrysanthemums Disseminated 1897.

At the last meeting of the Florists' Club of Philadelphia the subject for the evening's discussion was as above. Mr. Robert Kift was appointed to open the subject, and the officers of the Chrysanthemum Society of America were each invited by the committee to give their views also, which are as follows:

REPORT BY ELIJAH A. WOOD, PRESIDENT CHRYSANTEEMUM SOCIETY OF AMERICA.

I grew but few of the '97 novelties and only saw a small number growing outside, so can hardly give you any review that would be at all complete, but will jot down a few opinions of those that I did see.

C. W. WARD. A rather pretty dahlia-like white flower; good grower and good foliage, not large enough for the exhibition table, but should think it would make a desirable commercial flower, for it is a good keeper and does not drop its petals as the flowers of this form are so apt to do.

DEFENDER.—A very good dark crimson; foliage and stem both good, and the flower is so arranged that the chamois reverse found in the reds does not show, making the bloom in my idea the best dark red yet grown. The flower is not, however, large enough to show in best twenty-five collections hardly reaching the size advertised by its disseminators, that is, eight inches, and if grown to crown bud is a little apt to scorch.

EUREKA. A beautiful white, but far too small as I saw it in the hands of a good grower to obtain a place in good collections.

EVANGELINE. An A 1 white in all respects. Many growers consider this variety the first rival Mrs. Jerome Jones has had.

GOLD STANDARD.—A large brilliant yellow that is bound to force itself to the front and be grown by all those striving to obtain the best.

GOLDEN TROPHY. A very pretty light yellow; dwarf, and carries beautiful foliage, something after the form and color of Major Bonnaffon but with many more petals, and while advertised as earlier than Bonnaffon with us it was later.

HENRY NANZ.—A light yellow sport of Mes. Jerome Jones, and has the good qualities of the variety from which it sprang, This was advartised as a golden yellow, but is far from that shade, being a light yellow with apricot shadings.

J. H. WOODFORD. A very high built white bloom from crown buds, shell pink from terminals. Not quite large enough with me for exhibition purposes.

MAUD ADAMS. A beautiful soft late yellow, makes a very handsome bloom and easily finished, though very tall.

MARCIA JONES. One of the best white anemones.

MRS. R. D. DOUGLASS. A very beautiful yellow bloom of good depth and substance. Will probably be classed in the incurved section in England, and as a member of that division deserves a good position in all exhibitors' collections.

MRS. B. MCARTHUR. A very handsome Japanese incurved white of the purest shade. The plant lacked health with me.

MRS. JOHN J. GLESSNER. A very distinct light yellow, of beautiful form and quite attractive. While rather tall, yet should be grown by all intending to exhibit.

MRS. MARTIN A. RYERSON. A very deep white bloom. A beautiful flower from terminal bud, but grows too tall for most houses devoted to chrysanthemums.

SUNSTONE. A very distinct and handsome brouzy yellow. A decided acquisition and will find a place in a great many exhibitors' twenty-five.

MERULA. A very pleasing flower of white, shaded light pink throughout, would be classed as a pink; dwarf; and beautiful foliage clear up to the flower; early; rather undersized.

THE BARRINGTON. Advertised as on the style of Mrs. Geo. West, but not nearly so well or closely built as that variety and much darker in color. A loosely built flower of wide petals and dull in color, reminds one somewhat of G. F. Moseman, Prince Kamontaki and that class, but a trifle better; not very desirable.

WESTERN KING. Supposed to be one of the best introductions of the year, but a very poor grower with the majority. I had two plants which were quite healthy and produced two very fine blooms, maturing a little late for exhibitions. It will take yet another year for this variety to be placed where it belongs.

YELLOW MONARCH. A light yellow sport from Merry Monarch and like that variety too single and without substance enough to meet with general favor. This variety would hardly receive recognition except for its extreme earliness.

This embraces all of the American novelties of 1897 with which I have become intimately acquainted, and there were two or three European novelties that should be noticed, namely Bonnie Dundee (Inc.), L'Amethyste, Mrs H. Weeks, Pride of Exmouth, Reined' Angleterre and Surprise (Anem.)

A variety introduced, I think, in '96 by Pitcher & Manda has just begun to show up in grand form. It is Henry Hurrell, and is by long odds the best early yellow on the market. It can be best described as an early H. W. Rieman, fully as large and double, with excellent stem and foliage, and can be matured as early as October 20.

REPORT BY E. G. HILL, VICE-PRESIDENT, CHRYSANTHEMUM SOCIETY OF AMERICA.

The set sent out by M. Calvat the past spring contains many very fine novelties. We did not flower all the set, but what we did see impressed us all as being out of the usual from that side.

MME. EDWARD ROGER. A citron yellow with greenish tinge, with broad petals and large flower, impresses one as a good thing, being unique in color and broad in petal.

M. D. NERLOT. A lilac pink with deep rose shadings; strong growth; good foliage, with a massive bold flower. This, we think, has many of the good points we are looking for in a commercial pink.

MADAME FORLAT. Pure white petals, regularly incurving gold. A chaste and beautiful flower.

MLLE. LUCIE FAURE. A most conspicuous white variety, with compact massive flowers borne on good wiry stems. A little like Evangeline but larger and with better texture. This, we surmise, will prove of great value.

JUBILEE. Pale mauve with silvery reverse; a large high-built, full-centered flower; growth and foliage fine.

PRESIDENT NONIN. Chamois yellow with lighter reverse; flower forms an enormous ball; dwarf habit; good foliage.

The above have figured conspicuously at all the London shows, and are the subject of extended notices from the press.

DUCHESS OF FIFE. A large massive incurving flower of purest white; a good bold flower.

BARONESS (OR BARON) ADOLPH ROTHSCHILD. Another white of massive build and of large size.

BELLE OF CASTLEWOOD. A lovely shrimp pink at times, sometimes white, but a well done flower is a most chaste object.

CASCO. A most novel and unique colored introduction; color garnet red, nicely illuminated; a good bold flower.

DOROTHY SPAULDING. A large well built incurving pink. This has extra good qualities. Think this will make a grand exhibition variety.

DEFENDER. Splendid color; free and easy to do, but lacks petals, not large enough. A good cross between this and Geo. W. Childs would be desirable.

EVANGELINE. A unique and pretty flower; white in color; a perfect incurved. Lacks a little in texture, but this may be the fault of those growing it. Look for it to be prominent next year.

EUREKA. With us perhaps the finest of the year. A most charming white variety; substance, style, texture are all combined in this beautiful sort.

GOLDEN WONDER. A very fine flower of a rich golden yellow. While quite promising it is not equal to Golden Wedding in form; worthy, however, of further trial.

J. H. WOODFORD. This is an ideal exhibition variety; a high globular bloom; creamy white with broad petals. If it has texture enough it will prove a superb exhibition variety.

MRS. R. D. DOUGLASS. A fine yellow. Has lots of good points. If it comes large enough will be an acquisition.

MAUD ADAMS, MRS. J. J. GLESSNER and SUNSTONE are three remarkably fine yellows. They all differ in form, but the three varieties are worthy additions to our yellows. The first named will prove an excellent commercial cut bloom. The two last are fine exhibition varieties.

THE BARRINGTON. A fine deep bloom; color bright maroon with silver reverse. There will be quite a future for this an exhibition variety.

WESTERN KING. This is a superb variety; a model incurving flower of splendid build; not pure white, but white enough. The weak point is its lack of constitution.

GOLDEN TROPHY and GEORGE S. KALB are two desirable early varieties, The first is a rich yellow, the last named a most excellent white.

MIDGE is good; comes early, but the foliage is too heavy for the flower. Difficult to keep from wilting after being cut.

LEONIDAS. Poor color.

GOLD STANDARD. Too much like a grape-vine in growth. Flowers good, color charming.

LAWN TENNIS Good for single stems; not a desirable color.

T. B. MORSE. Is fine in its wealth of golden hue in its petals, but it is soft and spots badly. No finer color, however, in any yellow.

MRS. H. WEEKS. This as an exhibition white certainly heads the list. It is soft in tone and of a tint which pleases the most fastidious; foliage and stem excellent.

AUSTRALIAN GOLD. One of the acquisitions of the year. An easy doer; a pleasing color; stiff stems; comes uniformly of good size Its only drawback is about 8 inches of stem between foliage and flower.

REPORT BY JOHN N. MAY, TREASURER, CHRYSANTHEMUM SOCIETY OF AMERICA.

Among those introduced this season there are several which are decided improvements over existing kinds, and will prove valuable either as commercial cut flower varieties or as exhibition sorts. In enumerating the following, I shall name such as have proved valuable in their respective seasons, starting with the very earliest.

YELLOW MONARCH. The principal value of this is that it is the very earliest yellow yet introduced—closely followed by Midge, a nice compact white of the Bergman order. G. S. Kalb is another of the same class, but hardly as good. As a very early pink Elvene is one of the very best, and a very beautiful color.

Following these as second early is Belle of Castlewood, a very fine pink of delicate shade with broad incurving petals and handsome foliage.

G. F. ATKINSON, another pink, and a bold handsome flower.

J. H. WOODFORD did not come up to standard with us. In whites, Evangeline has more than sustained its reputation as a sterling novelty; A 1 in every particular.

MRS. R. D. DOUGLASS is a good yellow, but hardly comes up to our expectations.

MERULA. A dwarf second early pink; will prove valuable where a solid compact flower is wanted; dwarf grower and good constitution.

CASCO. Is a fine bold flower; garnet color, and would be a good thing if it could be kept from burning which destroys its value.

DEFENDER, another deep plum shaded crimson has the same disagreeable trait of burning.

Following these for midseason comes Western King, a very fine white with habit and constitution good.

CASTLETON is also a promising variety. C. W. Ward is not quite up to the standard quality. Eureka is a very handsome flower when well grown. Halcyon is a handsome anemone where variety is desired. Lorna Doone with us did not fill the bill.

MRS. J. WITHERS is a very handsome flower; in color a little lighter than Minerva but fine. Pres. Wm. McKinley is somewhat disappointing, although if well grown it is a handsome flower of good habit.

THE HARRIOTT will prove a valuable late variety; deep silvery rose. Mrs. M. A. Ryerson, pure white and a valuable addition. Thanksgiving proves a valuable late variety also; its greatest fault is that it takes a long time to fully develop, which causes the lower petals to get somewhat pale in color. Among varieties suitable for collections where distinction either in form or color is desired, Symphonia, beautiful shade of carmine pink; Leonidas, amaranth; Sunstone, yellow and red; and lastly the gem of the season is in my estimation Mrs. H. Weeks, a mammoth white, very pure in color with petals distinctly hairy; this is an importation. Also Frank Hardy, another white, a sport of Good Gracious, and like its parent distinct in form.

There may be some others among this year's introductions which may be valuable for particular purposes, and where they are better grown than with us, but in the foregoing I have named such as have done extra well with us under general cultivation, without special care.

Chicago.

Market opened this week with a decided scarcity of better grades of stock. Pink carnations, especially, were short Monday, all that came in being disposed of before 9 a. m., and at relatively better prices than they have brought at any other time this season. Since Monday the stock of carnations has been about equal to the demand, with the exception of whites and reds, some extra McGowans and Tidal Waves bringing $3.

The chrysanthemum season is virtually over; the few that are coming in have a weary and dejected look, as though conscious that their glory had departed and they were intruding upon affections that had already been bestowed upon fresher favorites. Owing to a slight decrease in quantity of stock and largely increased demand the price of Beauties has nearly doubled during the past week. Brides are fair, quality and quantity about equal to the demand. Selected Maids are short in quantity, and many of inferior quality. Meteors are in fair supply, although many a little dark in color. Perles have moved rather slowly. Valley is in fair supply.

Reinberg Bros. are cutting some fine La France and Kaiserin. At Geo. Klehm's some very good Belle Siebrecht are shown. Heim Bros.' Tidal Waves, seen at Vaughan, McKellar & Winterson's, were phenominally good.

Harrisii lilies were never seen before in this market so good as they are now at this time of the year, and are quoted at $12 per hundred, supply about equal to demand. The prospect is that there will be plenty in for Christmas at slightly increased prices. Violets are coming in a little more freely, and are slightly improved in quality. Many growers have already commenced to send in stock that shows plainly the effect of the pickling proeess.

Wholesalers report orders for Christmas stock coming in freely, which is much earlier in the season than ever before. The prospect is that all the good stock will be sold at Christmas at prices fully equal to last year's. Large quantities of Lycopodium wreathing is being made. Wholesalers report sales brisk.

It now appears that strictly fancy holly will be very scarce. Early lots so far have been thinly berried and the leaves rather dry, as if cut too early. If later receipts are not decidedly better the trade will not only be badly disappointed, but be called upon to pay advanced rates for all good stuff. Reports from Delaware state that leading packers are already refusing new orders.

Small ferns for filling ferneries have sold better this season than ever before. The stock of ferns suitable for present use is nearly disposed of.

Albert Fuehs has filed a claim in the Circuit Court in which he sues Andrew Weber for $25,000 for alleged trespass. The filing of the suit is a sequel to several lively incidents which, it is alleged, occurred in the florist's store about ten days ago.

F. Steelow, of Niles Center, who has been very sick, is reported as improving.

The Chicago bowlers will leave for St. Louis via the Wabash Saturday evening, returning so as to be in Chicago early Monday morning. The braves from the tribe of the Illinois who will make this foray into the land of the Missouris, hoping to return with many scalps and much plunder, are: Phil J. Hauswirth, G. L. Grant, John Zeek, Walter Kreitling, John B. Deamud, J. S. Wilson, Charles Held, Chas. McKellar, Ed. F. Winterson.

At the meeting of the Florists Club Thursday evening a large attendance and 10 applications for membership were the cause of the expansive smile and contented expression which appeared on the countenance of every member of the faithful few. The admission of Ed. Winterson, Lloyd Vaughan, of Vaughan, McKellar & Winterson, makes this firm very much in evidence in the club. John Degnan, of Vaughan's seed store, was a new accession, and Messrs. Barnard and Ringier, of W. W. Barnard & Co., were present. Members of other wholesale houses were conspicuous by their absence, and the retail trade was not well represented.

Messrs. Hauswirth, Wienboeber, G. Stollery, Wilson and Hartshorn were appointed a committee on the Carnation Society Convention, and were instructed to request all the principal members of the trade to join with them in preparing for the reception of the Carnation Society in true Chicago style.

The topic for discussion for the evening, Fumigation vs. Insecticides, was introduced by Edgar Sanders, who was followed by various members of the club.

A representative of Nikoteen was present and joined in the discussion. Samples of the new Nikoteen fumigating paper were shown. This would seem to be a very simple and easily used material for the destruction of green fly and thrip.

The meeting adjourned to the bowling alleys, and the boys proceeded to demonstrate how they were going to "put it all over" St. Louis; but perhaps St. Louis may have something to say about it.

Philadelphia.

BUSINESS MOVING AT A LIVELY GAIT.—GROWERS READY FOR CHRISTMAS TRADE.—MEETING OF CLUB LAST TUESDAY.—ROBT. CRAIG ILL.—J. WARNER HARPER ALSO SICK.

Business is moving along at a good rate of speed, the supply of flowers about keeping up with the demand, although violets and Beauty roses can hardly stand the pace and a number of times lately have had to be hurried up.

The debutantes are with us once again, and right glad all hands are to welcome them, for each important event uses up from one to two thousand roses, and as the best are hardly good enough the prices are sure to be right. A popular young bud is generally presented with anywhere from forty to eighty bouquets, composed of two to four dozen roses each, combined often with other flowers such as orchids, valley, violets, etc. Where so many bouquets are being sent there is much chance for variety and great taste is displayed in their arrangement by the up-to-date artist.

The demand for so many bouquets is a great boon to the florist, but it is feared that it will soon be overdone, as the desire of Miss Smith, who is coming out, to have more bouquets than Miss Brown, who came out last week, fairly swamps the resources of the parlors to hold them. They are piled over mantels, cover the

top of the piano, and in many cases small folding tables have to be hired on which to properly display the trophies, so that the donors will have chance to see their particular bunch.

Roses are up a bit, the best grade of teas bringing $6 per hundred, carnations are up to $1.50, and select specials $2. Violets are $1.50 per hundred for the best doubles, while singles sell, for California and Princess of Wales, $1 per hundred for first grade. Beauties are selling from $3 to $5 per dozen and quite scarce. More planted them than ever before and yet the demand keeps pace with the extra supply.

The palm men are moving their plants quite lively, stocking up for the Christmas trade being the order now with the storekeepers. We have never seen a finer assortment of foliage plants than that offered by the growers this season. W. K. Harris's stock is quite up to his reputation, and his collection of fine plants reflects his skill as a grower. His specimens of all the popular kinds of palms, dracæna, pandanus, etc., would take prizes in many exhibitions. His oranges full of fruit are very ornamental, and the house of well-flowered azaleas, almost up to the Easter standard, are welcome additions to the Christmas assortment.

J. W. Colflesh, of Fifty-third street and Woodland avenue, has several large houses filled with palms. His large kentias are fine specimens, and some well grown latanias make good decorative plants. A house of arecas, together with a table of pandanus, make up his assortment.

Robert Craig has, as usual, a splendid collection of standard decorative plants. Everything suitable for store trade is grown in quantity, his medium or popular sizes suitable for everyday business being varied.

A lot of crotons coming on make fine stock for working into jardinieres and fern baskets for the holidays. His large house of cyclamen is full of strong, healthy plants, full of flowers. This is one of the very best of Christmas plants.

Mr. William P. Craig is on top with a house of the Boston Fern, mostly large sizes. His plants would be hard to beat anywhere. The next two weeks will no doubt relieve him of their anxious care.

Jacob Becker has a handsome lot of azaleas, of which he is very proud, and justly so. This batch will all go for the holiday trade.

Joseph Heacock is right "in it," so to speak, with his arecas. They are certainly fine plants and great value for the money. Palms are comparatively new residents of his place, but he has shown skill in raising them equal to the best.

Charles D. Ball has his usual fine stock. He is exclusively a grower of palms and foliage decorative plants, and his establishment is noted for its always neat and tidy appearance; nothing seems ever to be out of place. His plants have the same neat and precise look, and in a house of this or that kind of palm it seems difficult to select one plant better than another.

Lemuel Ball is also a palm specialist, and his kentias, arecas, cocos, and other plants are fit to take place in any company. His large 10 and 12-inch pot arecas are hard to beat.

Bradley Redfield, of Glenside, Pa., is a fern specialist, and has a great assortment of fern pan stock. An order for a hundred or a thousand of any kind is all the same to him, and is filled with alacrity. A house of the Boston fern in pots and pans is rapidly thinning out.

John Welsh Young, of Germantown, is strong with Pandanus Veitchii and Boston fern. J. Wolff, Jr., of Nineteenth and Columbia, also has a fine house of primulas, which are elegant, well flowered plants. Wm. Meckie, of Sixteenth and Tioga, with begonias, stevia, poinsettias, and other blooming plants about makes up the list, from which it would be a most fastidious dealer who could not get everything he needed to both fill and swell his Christmas bill.

The Florist Club meeting last Tuesday evening was quite well attended. There was not much to disturb the even tenor. President Harris now handles the gavel like a veteran, making his announcements and appointing his committees in such an authoritative voice that there is no backing out.

Robert Kift read a review of the new mums of the past season, written at the request of Secretary Lonsdale by President Wood, of the National Chrysanthemum Society; also one from Mr E. G. Hill and another from Mr. John. N. May. These reviews were full and complete, and contained much information about the new varieties, showing their merits and demerits. They were given to the publication committee to be sent to the press.

Albert H. Herr was present, wearing a pretty deep pink carnation in his buttonhole a few shades darker than the healthy color in his cheeks. The Lancaster County air is a great tonic for both flowers and people. Mr Herr is to read a paper on "Carnations of 1897" at the next meeting.

Robert Cary had two large blooms of a late mum Robert Edgerton, a pale lilac, very double.

Robert Craig is very sick, having bronchial pneumonia, and typhoid fever. He has been confined to his bed nearly two weeks, and his case is quite serious.

J. Warner Harper has also had a bad attack of pneumonia, but is now considered out of danger. K.

Boston.

CUT FLOWER BUSINESS SLOW—PLANT TRADE ACTIVE—CARNATIONS AND VIOLETS LOWER—HOLIDAY PROSPECTS—PREPARATIONS FOR A LARGE HOLLY TRADE—TESTIMONIAL TO E. M. WOOD—MR. HATCH IS SURPRISED—A FINE BEGONIA.

The wholesale cut flower dealers have found business inclined to settle back into the old rut since Thanksgiving, and the cold weather of the past few days has apparently had an unfavorable rather than advantageous effect, for it has made the street peddling business precarious, and the surplus stock that in mild weather finds its market through this outlet is left to accumulate in the hands of the wholesalers, to be sold finally, when faded and limp, at any figure it will bring, to get rid of it. This has been particularly noticeable in the case of carnations and violets, which have been very sluggish. Roses of the ordinary grade are similarly situated, and prices are low all through the list. All are now looking to the holiday season to replenish their depleted bank accounts and put the long-delayed boom in motion.

The retail establishments put on a bold front and are making a hustle for whatever trade is presented, but there is not enough to divide among so many and provide any of them with a profitable share, although they have the advantage, which the wholesalers have not, of the plant trade, which is at this season of the year fairly brisk. A gratifying call for palms, rubbers, and other desirable subjects for window or hall adornment is reported generally, and most of the retailers are carrying a good stock of such plants this fall, the window displays being composed mainly of these, while the cut flowers are kept in the refrigerator until they are wanted.

One hears but little talk, as yet, about Christmas cut flower prices, conditions not being favorable to hopeful speculation on the basis of advanced rates. A few years ago such weather as we have experienced for the first week of December would have set values soaring and the terrible famine in prospect for the holiday season would be the daily topic with those most interested in the inflation process of which these sleep destroying predictions were an important part. In the present relations of supply and demand a resort to arguments of this kind would be a waste of time and barren of any result, so it has apparently passed into history as a sweet or bitter memory of "the good old times," according to the side of the fence the individual may have found himself.

Those who have facilities for the transaction of a large business in holly and Christmas "greens" are making the usual preparations for a rush. Prices are lower on most of these goods than ever before, not because the stock can be handled any more cheaply nor because it is not well worth the old rates, but as a result of sharp competition and the consequent cutting of prices, which are now down to where very little profit is left in it for any one.

The "surprise" banquet to Mr. E. M. Wood came off as arranged, at the cozy Hotel Crescent at Waltham on Thursday, Dec. 2, and was a grand success in every respect excepting that the surprise, like the flea, lit in the other place. When the guest of the evening, who was supposed to have been in ignorance of the preparations to honor him thus, being called upon, pulled from his pocket and proceeded to read a nice typewritten response, Toastmaster Ed Hatch struck a snag which almost paralyzed him and created no end of fun for the balance of the party, but an auctioneer does not stand long disconcerted, and when Mr. Hatch had recovered and found his voice he made the supreme effort of his life and put every one into hysterics by his vigorous condemnation of the deception that had been practiced on him. It was altogether a grand time for the eighteen participants, and Fred Mathison, who fully realized the importance of such an historical event occurring in his bailiwick, was beamingly hospitable. The decorations of the room were especially fine.

On Saturday, Dec. 4, F. L. Harris exhibited a superb plant of Begonia Glorie de Lorraine at Horticultural Hall, for which he received a silver medal. It was covered with a multitude of flowers, and attracted much notice. There were some interesting cypripedium seedlings from J. C. Rothwell and C. G. Roebling.

At the meeting of the Gardeners' and Florists' Club on Tuesday evening Q. A. Ward read a paper on "Fixed Alkalis as Plant Food."

The Botanic Garden at Harvard University received a large case of plants from Alaska.

Visiting Boston: J. Austin Shaw, representing Seibrecht & Wadley, New Rochelle, N. Y.

Florists' Fire Association.

The meeting of the members of the Florists' Fire Association was fixed for last Monday. No election was held and the meeting adjourned for one week. The principal reason for the postponement was that a number of the persons whom we were instructed to vote for as directors had not filed their applications for insurance. The applications were not sent out until late and all are coming in rapidly, but it takes time to round up matters. As soon as sufficient applications are in policies will be issued.

A misunderstanding has arizen over the requirement that heating pipes shall be properly insulated. The present committee are of the opinion that steam pipes in contact with wood near the boiler, when it is very dry, are dangerous, but that in the greenhouses or away from the boiler, under ordinary circumstances, are not dangerous.

The rate fixed is thought by some to be too high. It is believed by this committee that it is higher than future assessments should be or will be. But it is safer to start too high than too low and all will benefit by it in the future if too high.

W. J. VESEY.

BELOIT, WIS.—Mr. John Kindfleisch has recently purchased about twelve acres of land near the Rock River, where he will move his greenhouses next summer, and will also add several new houses.

SOUTH ORANGE, N. J.—Michael Lyons, of Orange, has bought the Lyons estate at Mountain Station, which has been leased and conducted by H. F. Haase for some time. Mr. Haase has now rented a greenhouse from Mr. H. A. Page at Mountain Station, where he will continue business.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1898 will receive on request, a coupon for one five line want "adv." free, to be used at any time during the year.

SITUATION WANTED—By Colin Ogston, West Atlanta, Ga., who is a first-class grower of wholesale and retail stock.

SITUATION WANTED—By a young man, single; five years' experience; sober and steady.
F, care American Florist.

SITUATION WANTED—As practical florist on private or commercial place.
J H, 41 Race St., Holyoke, Mass.

SITUATION WANTED—All-round florist, good propagator, grower and designer; carnations and violets; good references.
I. P. HERSEY, Stafford Springs, Conn.

SITUATION WANTED—By good, all-round man, for general greenhouse work; several years' experience, single, sober and reliable; Al references. Address T. L EWOLDT, Davenport, Ia.

SITUATION WANTED—As grower in commercial or assistant in private place; best of references; single, age 26, sober and reliable. Address
GUSTAV JOHNSON, 48 West Huron St., Chicago.

SITUATION WANTED—By florist; 20 years experience in commercial greenhouses. No. 1 rose and carnation grower. Experienced in all departments of the trade. B Z, care American Florist.

SITUATION WANTED—By a practical gardener and florist (American), in a Public Institution, as teacher of horticulture and elementary botany. Address TEACHER, care American Florist, Chicago.

SITUATION WANTED—As florist and gardener, either private place or public park; must be for year around; thirty years' experience; reference from last employers. C. HAIBLE, West Newburgh, N. Y.

SITUATION WANTED—By gardener; 12 years' experience in Germany, single, short time in this country; good, steady worker; best references.
JOS. GRUNDMANN, 9680 N. Hermitage Ave., Station Y, Chicago.

SITUATION WANTED—By an experienced grower of roses, carnations, 'mums, etc., to take charge of commercial place; age 27, single; strictly temperate; steady position. Address
B, care American Florist

SITUATION WANTED—A thoroughly reliable, experienced cut flower man, as maker up, decorator, salesman, etc. Many years' experience. Only those wanting an Al man need apply. Address
M R, care American Florist.

SITUATION WANTED—By a thorough, practical florist; a first-class propagator of roses, 'mums, carnations and general plant trade; 20 years' working experience in the east in general florists' business. Address Box 586, Hinsdale, Ill.

SITUATION WANTED—East; life experience, commercial and private; excellent testimonials, of good address and a hustler; or to take charge of small place in growing locality near New York or other large city. Box 257, Madison, N. J.

WANTED—A good man at once, one that is a good designer and cut flower worker, for store. Address FLORIST, 72 E. Main St., Lexington, Ky.

WANTED—Young man to take entire charge of four rose houses, 75 feet long, modern; board on place; state wages. W. L. HUCKE, Belleville, Ill.

WANTED—A steady man as night fireman to attend to two steam boilers. Wages $9.00 per week. Address with references.
K, care American Florist, Chicago.

WANTED—A man 30 or 35 years old who is honest and willing to work and wants a steady home with good salary—that has some experience in growing cut flowers; references expected.
W. J. MILLER, 403 E. Water St., Pontiac, Ill.

WANTED—At once, to take charge of florist's business on shares, in Southern city of 10 000, German, single or married, honest, sober, industrious; two greenhouses stocked, dwelling, two acres land and tools. Address with references,
REV. D. E. DARTCH, Huntsville, Mo.

FOR RENT—Eight greenhouses, all new full stocked, everything on the place that belongs to the business, all private trade; need $800 cash; the best chance for any man. Address
FLORIST, Box 73, Lawrence Sta., N. Y.

FOR SALE—Bay horse, seven years old, 16 hands high, without blemish, used for city flower delivery wagon during past season; a good worker. One hundred dollars. LINSDALE,
293 St. and Lexington Ave., New York City.

FOR SALE—Florist's single covered wagon; height about 5 feet, width about 4 feet, length about 7½ feet; built to order, costing $250 Used but two years. Will be sold cheap for cash
VAUGHAN'S SEED STORE, Box 688, Chicago.

FOR SALE CHEAP—Five greenhouses heated with hot water, everything in good running order, and convenient, shipping cut flowers; a good trade; have a store to ship to; likewise Milwaukee health is too poor to run same. MRS. ENGLISH, Oconomowoc, Wis.

BUSINESS OPPORTUNITY.

One of the most valuable florists' establishments in the Middle South, ½ interest for sale, or will lease to an enterprising, wide awake business florist; 7 modern greenhouses, 25x150 ft., one 30x75 ft., three 20x50 ft., 75-foot violet house, frames, splendid windmill and watering facilities, packing sheds, office, 5 acres of splendid land for rose growing situated within easy access of Atlanta, Ga., on one of the most beautiful driveways of the city. Florist store in the Kimball House block with first-class facilities, and the best stand in the city; connections with several of the largest tourist hotels in Florida, with shipping trade to all Northern started. This is an established business with unlimited opportunities for enlargement. Aside from the cut flower trade there is a large opening for building up a shipping trade in nursery-grown roses, which thrive and make more growth here in one year than in three seasons in the North. The owner has other large interests which occupy his whole time and wants a thoroughgoing man who has some means and an ambition to extend an already well established business in this exceptional field. This is not a broken down or failing establishment. The owner does not desire to sell out the greenhouses, but would dispose of an interest or lease, so that an enterprising florist would have such interest as would insure his exclusive application to maintaining the high character of the present business and working for its extension. Address JOS. THOMPSON, Atlanta, Ga.

For Sale or Lease.

Three greenhouses containing 2,500 sq. ft. of glass. Only one in county in a town having a population of 5,000 inhabitants and a great watering place.

The reason of getting rid of the business is ill health. None but those meaning business need apply. Address
BOX 456, Martinsville, Ind.

FOR SALE OR RENT.

In one of the best cities in Ohio, 12,000 inhabitants, 6 000 square feet of glass building only one year old, heated with steam, stocked throughout with Palms, Ferns, Roses, Carnations; a fine assortment of plants. $3,300 buys it, part cash, rest on long time; good place for a hustler. Must sell on account of other business. Cost $6 000.
Address BARGAIN, care Am. Florist, Chicago.

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FOR SALE—Florist store on Broadway between 31st and 32d Sts., and opposite one of the most prominent hotels in New York. Weekly profits up to the present time $100. Rent very low. Will dispose of same very reasonably. Reason for selling, other large business takes my entire time.
J. FLEISCHMAN, 25th St. & Broadway New York.

FOR SALE.

At less than half its cost, or for rent, about 28,000 square feet of glass witb grounds and modern 12-room dwelling, built a year and a half ago; greenhouse nearly new, all heated by steam, well stocked and in good order; located on street car lines between St. Paul and Minneapolis, and a well paying wholesale business established. A splendid opportunity for a good live man. Sale price, $10,000; rent $150 per month. If you mean business, address CHRIST HANSON, St. Paul, Minn.

FOR SALE.

Greenhouses in one of the best cities in Wisconsin. A good investment and a money maker for a hustler. Owner must retire on account of poor health

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GOOD PLANTS, $2.50 per 1000, or $1.50 per 500.
LARGE PLANTS, $4.00 per 1000, or $2.50 per 500.
BLOOMING PLANTS, $1.50 per 100.
SEED, as usual. CASH WITH ORDER.

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Nice Plants, at $3 50 per 1000.
Cash with order.....

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200,000 in cold frames of the Jennings finest strains; all extra No. 1 plants; large size, ready to bloom, $5.00 per 1000; extra medium size for cold frames, $4.00 per 1000. Extra 75c per 100 by mail.

... SEED ...

of the finest strain, $1.00 per pkt. of 3000 seed; $6.00 per ounce;

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Grower of the finest Pansies.

A Sample Collection.

We are growers of 2,000,000 plants per year, and wish every florist to see our stock, so we make up this $1.00 sample of new and standard plants worth $5.00 to any florist, as an advertisement so you can order by the 100, 1,000, 5,000 or 10,000 lots.

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IT'S A MISTAKE
TO THINK
"ANY OLD THING"

will answer for a Refrigerator to keep flowers in. Those up-to-date are made by the
Chocolate Cooler Co., Grand Rapids, Mich.
SEND FOR CATALOGUE.

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$2.00,
In either stiff or flexible cover.
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COMMISSION FLORIST,

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..Cut Flowers

of Highest Grade and complete variety. You can depend on our most faithful personal attention to your interests.....

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CHICAGO, Dec. 10

Roses	Beauties, long	35.00@50.00
"	" medium	15.00@30.00
"	" short	8.00@12.00
"	Brides, Bridesmaid	3.00@ 5.00
"	Meteors, Carnot	4.00@ 7.00
"	Kaiserin, Testout	4.00@ 7.00
"	Niphetos, Perle, Gontier	3.00@ 4.00
Carnations		1.50@ 4.00
Violets		1.25@ 1.75
Narcissus, Romans		2.00@ 3.00
Harrisii		10.00@12.00
Valley		4.00@ 5.00
Adiantum		.50@ .75
Smilax		8.00@10.00
Asparagus		50.00@75.00

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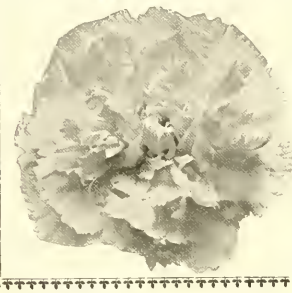
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PACKED RIGHT,

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WIRE DESIGNS: A Full Line. Write us for our Illustrated Catalogue.

Mention American Florist.



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51 and 53 Wabash Avenue,

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CHOICE CUT FLOWERS.

Roses in variety.

Carnations the best in this market.

GENERAL LINE OF SHIPPING FLOWERS.

That's all we can do and DO IT WELL, (except a little WIRE WORK on the side.)

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WHOLESALE

GROWERS OF CUT FLOWERS.

500,000 FEET OF GLASS.

We can fill all orders on short notice with all leading varieties of Roses and Carnations.

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Give us a trial and convince yourself.

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We now offer Roses, Carnations, Romans, Paper Whites, Lilium Harrisii, Smilax and Ferns.

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ROSES, CARNATIONS, and ALL KINDS OF SEASONABLE FLOWERS IN STOCK.

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Also Dealer in Florists' Supplies and Wire Designs.

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NEW YORK CITY.

THE BEST MARKET IN NEW YORK.

Wholesale Flower Markets

NEW YORK, Dec 8

Roses, Beauty	15.00@35.00
" Brides, Bridesmaid, Meteor	4.00@10.00
" Testout, Carnot	6.00@10.00
" Morgan	6.00@ 8.00
Carnations	1.00@ 1.50
" fancy	2.00@ 4.00
Valley	2.00@ 5.00
Mignonette	3.00@ 8.00
Violets	1.00@ 1.50
Harrisii	6.00@ 8.00
Chrysanthemums	4.00@20.00
Smilax	8.00@10.00
Cattleyas	35.00@40.00

BOSTON, Dec 8

Roses, Beauties	10.00@30.00
" Gontier, Perle, Niphetos	2.00@ 4.00
" Bride, Bridesmaid, Meteor	4.00@10.00
" Carnot	4.00@10.00
Carnations	1.00@ 1.50
Valley	2.00@ 3.00
Violets	.75@ 1.00
Smilax	8.00@10.00

PHILADELPHIA, Dec. 8.

Roses, Beauties, select	25.00@40.00
" " short and medium	8.00@20.00
" Teas specials	6.00
" " firsts	4.00
Carnations fancy	1.50@ 2.00
" ordinary	.75@ 1.00
Valley	3.00@ 4.00
Chrysanthemums	8.00@16.00
Violets, double	1.00@ 1.50
" single	.75@ 1.00
Smilax	12.00@15.00

John I. Raynor,

49 WEST 28th STREET,

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SPECIAL EXTRA STOCK OF

AM. BEAUTY, METEOR, BRIDESMAID, BRIDE.

Record Breaking Carnations

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American Beauty

and all other choice Roses in unexcelled quality.

Carnations, Mignonette, Cattleya and Valley.

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Roses shipped to all points. Price list on application.

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Consignments from regular growers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.

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BEAUTIES AND VIOLETS, SPECIALTIES.

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ALWAYS ON HAND: CARNATIONS, BRIDESMAIDS, BRIDES.

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Asparagus Plumosus Nanus.

Strings 8 to 10 feet long,

50 CENTS.

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Careful Shipping to all parts of the country. Price list on application.

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ROSES, CARNATIONS, VALLEY

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Orders for less than one-half inch space not accepted.

Advertisements must reach us by Thursday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

Christmas Number.

Our issue of December 18 will reach 7000 live florists just in time for their Christmas trade. If you have cut flowers, plants or other holiday stock for this class of buyers, you cannot afford to stay out of the Christmas number of the AMERICAN FLORIST.

IF Young Florist, signing the initials "L. M." who wishes information in regard to the use of Fostite, would kindly send us his name and address, we would be pleased to forward the desired information.

W. A. McFADDEN,

"Rosebank"

NEAVE BUILDING, CINCINNATI.

Producers and Shippers of every description of High Class Floral Supplies.

Cattleya. **Orchids.** Cypripedium.

Quotations issued weekly, forwarded on request.

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No. 20	$	45 per stone
21, 22, 23		50 "
24		60 "
33		90 "
36	1	40 "
22 cut 9 or 12 inches		75 per box

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Musa Ensete, 500 Kilogs.

Fresh Seed; new and direct importations, $4 per 1000; $36 per 10,000.

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Always mention the American Florist when writing to advertisers.

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CINCINNATI, Dec. 9.

Roses, Beauty select	30.00@35.00
" " medium	15.00@25.00
" " short	8.00@12.50
" Brides, Bridesmaids	4.00@ 6.00
" Meteors	4.00@ 8.00
" Morgana	3.00@ 5.00
" Perles	1.00
Carnations	1.50@ 2.00
" fancy	2.50@ 3.00
Valley	4.00@ 5.00
Narcissus, Romans	3.00@ 4.00
Violets	1.50@ 2.00
Chrysanthemums extra	4.00@10.00
Poinsettias	25.00
Smilax	12.50
Adiantums	1.00
Asparagus	50.00

ST. LOUIS, Dec. 9.

Roses Beauties	25.00@35.00
" " short	8.00@15.00
" Kaiserin, Carnots	2.00@ 8.00
" Brides, Maids, Meteors	2.00@ 6.00
" Mermets, La France	2.00@ 6.00
" Perles, Wootton	2.00@ 3.00
Carnations	1.50@ 4.00
Valley	4.00@ 5.00
Romans, Paper White	2.00@ 3.00
Violets double	.75@ 1.25
" California	1.50
Chrysanthemums fancy	5.00@20.00
Smilax	10.00@15.00

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ST. LOUIS, MO.
A complete line of Wire Designs.

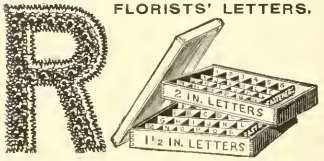
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Wholesale Florists.
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1322 Pine St, ST. LOUIS, MO.

H-L-SUNDERBRUCH & Co
WHOLESALE COMMISSION FLORISTS
4th and WALNUT STS.
CONSIGNMENTS SOLICITED
CINCINNATI, O.
SPECIAL ATTENTION GIVEN TO SHIPPING ORDERS

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Roses, Carnations and Smilax.
Oldest Growers South. Try us.
GEO. HINMAN, Prop. GEORGIA GREENHOUSES, Atlanta, Ga.

See our Xmas adv. in this paper next week! Kennicott Bros. Co., Wholesale Cut Flowers, 88 Wabash Ave., Chicago.

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MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters 1 ½ or 2-inch size, per 100, $2.00.
Script Letters $4 Fastener with each letter or word.
Used by leading florists everywh re and for sale by all wholesale florists and supply dealers

N. F. McCARTHY, Treas. and Manager,
64 Hawley St., BOSTON, MASS.

FLORISTS PRUNING SHEAR Mfg. Co.
A HOLDER. A PRUNER. A PICKER.
THE BEST FREMONT, O.

BRILLIANT GREEN AND BRONZE
GALAX LEAVES,
For Decorating and all Florists' Designs.
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(Incorporated. Paid up Capital $2000.00)
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WHOLESALE ONLY.
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The dry climate of Colorado enables our growers to grow the best Carnations on earth.
We handle 75 per cent of the Carnations grown in Colo.

August Rölker & Sons,
Florists' and Garden **SUPPLIES.**
Importers of Seeds, Bulbs, etc.
New Fall List mailed free to all trade applicants.
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Importers and Manufacturers of
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25 N. FOURTH STREET,
PHILADELPHIA, PA.
FALL CATALOGUE NOW READY.

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

Emil Steffens SUCCESSOR TO N. STEFFENS AND STEFFENS BRO'S
Manufacturer of FLORISTS
ESTABLISHED 1866. WIRE DESIGNS
—AND SUPPLIES.—
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Denver.

CONDITION OF MARKET. — FIRST HOLLY DECORATION. — ANTIRRHINUM BECOMING POPULAR. — VARIOUS ITEMS.

The zero weather last week elongated the face of the florist, while the coal man had on a broad grin. The furnace was like what the child said of the locomotive, a big iron horse that ate coal and water all the time, and is like Oliver Twist, always crying for more. The night fireman gets hot before the boiler, he raises steam with the man who he says don't clean out the flues and ashes, he in turn brings his woes to the foreman, who has troubles of his own, for water pipes will burst, glass will break, drafts will strike the roses where you are sure there are none, transportation is blocked, and flowers must be cloaked and hooded like a baby to withstand the weather. Still our friends say, "such a lovely business," "such a pleasure to pick flowers I am sure." But for a time "the winter of our discontent is over," the mercury hovers around 60, the sun is shining, and if he did not get up so late and go to bed so early we might imagine it was April instead of December. The Park Commissioners have about negotiated the purchase of a park site of sixty acres on the south side, and all hope for its improvement in the near future. The proposed ground surrounds a natural lake and can be made most attractive. They are also building new greenhouses at City Park. This addition will help the able superintendent to supply the endless number of bedding plants required to beautify the numerous parks of the city.

The flower trade is fair, society very gay, but using inexpensive decorations. The first holly decoration appeared this week. An abundant supply of mistletoe is reported in Texas, and will appear in this market in about ten days.

In visiting greenhouses we notice nearly every one has a large bunch of mammoth white antirrhinum, most attractive and useful. For the introduction of this in our market we are indebted to Elijah Wood, who spent a year in our city.

The stock of roses is unusually good and abundant, carnations scarce yet, but a good promise for the holidays; Romans, violets and stevia coming in well.

Colorado Springs seems to have soil and climate suitable for violets, and good growers too. Their violets are unusually large and fine this season.

C. R. GALLUP.

DEFIANCE, O.—Mr. Christ. Winterish, who started in the florist business in this city some two years ago, has added two new houses to his plant, each 18x100. His stock, which is a general line is in excellent condition. In connection with his florist business, he carries on quite an extensive trade in the nursery line.

HOUSTON, TEX.—The Fruit, Floral and Vegetable Festival, to be held in this city December 6 to 11 will, from all indications, be a decided success.

PLACE YOUR ORDER FOR THE HOLIDAYS WITH

THE SMILAX KING

AT ONCE .... HE HAS NOW READY

Twenty-five Thousand AT 12½ CENTS
Cypripedium Insignes .... EACH ....

Five Thousand Strings of **Extra Fine Smilax** at 20 cents a string.

After Christmas we will send out our MAMMOTH CALENDAR for 1898.
If you do not receive one, WRITE FOR IT. Address,

THE SMILAX KING, - - - WALDEN, N. Y.

CASH WITH ORDER. "HE PAYS THE EXPRESS."

When writing mention American Florist.

500.000 SQ. FT. OF GLASS NEAR SUMMERDALE AND ROSE HILL



REINBERG BROTHERS

AMERICAN BEAUTY

and other ROSES.

12 firsts and 2 seconds out of
15 Rose entries at the CHICAGO SHOW.

We also Force BULBOUS FLOWERS and COMPLETE ALL ORDERS.

51 Wabash Avenue,
.....CHICAGO.

Strictly High Grade Flowers.
Packed in best possible method for shipping.
Carnations, Roses.
All the leading varieties.
Poinsettias.
Will have good stock.
Orchids.
Asparagus.
Smilax.
Adiantums
Ferns.
Sterns
Best Grades
Holly.
Per Case $5.00, 3 to 5 Cases 4.50
10 " 4.25
Mistletoe.
Per lb. 25 cents. 5 lbs. $1.00, 25 lbs. $3.75
Evergreen Wreathing.
Per 100 lbs. 3.50
500 " 16.25
1000 " 30.00
Per 100 Yards 3.00
500 " 12.50
Wild-Smilax, Needle Pines.
Wire-Work, Sheaves, Doves, Moss, Ribbons a Specialty.
A. L. Vaughan
Vaughan McKellar and Winterson
45-47-49 Wabash Ave.
C. W. McKellar
E. F. Winterson
Chicago.
Write for Catalogue.

Grand Rapids, Mich.

MEETING OF FLORIST CLUB.—PAPER BY MR. GEO. CRABB ON NEW CHRYSANTHEMUMS.—ELECTION OF OFFICERS JANUARY 4.—BUILDING NOTES.

The Florist Club held their regular meeting Dec. 7 with a fair attendance. Mr. Geo. F. Crabb read a paper on New Chrysanthemums. All were very much interested in the paper, as many have been considering what is best and most profitable to grow. It was the opinion of all present that it does not pay to grow late varieties. Extra early, early and mid-season varieties, which mature by not later than Dec. 10, were considered most profitable. Mr. A. Hanna was appointed to read a paper on Christmas Flowers, What Sells the Best, and What is the Most Profitable.

The club has about finally decided not to hold any more shows. It is hoped that all members will be present at the annual meeting Jan. 4, 1898, as officers will be elected for the following year. Hereafter the secretary of the club will be the official correspondent, and the office of press reporter will be abolished, as we understand the trade papers have been at a loss to know just whom to depend upon for a report; the matter having caused considerable confusion.

Wm. Cunningham completed, about a month ago, a house 12x100 for carnations.

Jas. Schols has just put in a 75-horse power boiler.

N. B. STOVER.

Cut Flowers.
.....WANTED Consignments ....of....
Roses and Carnations two to three times per week. Quick sales, top prices and prompt returns. Try us.
TEXAS SEED & FLORAL CO.
Wholesale Florists,
..... DALLAS, TEXAS.
Only first-class stock wanted

Cut Smilax
15 cts. PER STRING.
RED PRIMROSES, 3-inch pots, $4.00 per hundred.
THE NATIONAL PLANT CO., Dayton, O.

Always mention the American Florist when writing to advertisers.



H. BAYERSDORFER & CO.'S
Seasonable Specialties:
CYCAS WREATHS. MOSS WREATHS.
FERNERIES AND JARDINIERES:
Norman Style in Sprays, Tinted and Delft.
Tuscan, in Sprays, Tinted and Delft.
Milan, in Sprays.
OUR LEADING NOVELTY:
LACE VIOLET HANDKERCHIEFS.
Wheat Sheaves and Immortelles.
The largest and best stock in America.
New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.
H. BAYERSDORFER & CO.,
56 North Fourth St., PHILADELPHIA, PA.

Floricultural Education.

I would like to know through the AMERICAN FLORIST if there are any floricultural colleges in or around Boston; if so how much is the tuition. P. & T.

The Bussey Institution, Harvard University is a school of agriculture and horticulture at Jamaica Plain, Mass., ten minutes by railroad from Boston. Instruction is given in all branches including florieulture The tuition fee is $150 a year for a full course, $40.00 each for single courses; this fee is remitted to meritorious students who are unable to pay.

For circular giving full particulars write to the dean at above address.

B. M. WATSON,
Instructor in Horticulture.

St. Louis.

MARKET REPORT.—PRICES.—CARNATIONS SCARCE.—VIOLETS ALSO IN SHORT SUPPLY.—CHICAGO FLORIST BOWLING CLUB TO VISIT US DEC. 12.

The weather this week has moderated considerably and is a relief from the disagreeable weather that we experienced the week before. The market in the beginning of the week was ushered in with a decided falling off in trade. However, all the retail stores are hopeful and contemplate doing an immense business the balance of the year. The main trouble at present which the wholesaler has to contend with is not sufficient fancy stock to supply the trade. Consequently all fancy stock that is shipped to this market is snapped up at once at top prices.

Beauties are in very good demand and will continue so until the holidays are over, fancy stock readily bringing $4. Carnots are very scarce in this market and bring top figures. Other teas are in fair supply and meet with good demand.

Carnations continue to be a very scarce article. Most of the growers in this territory are of the opinion that their crops will hardly come in for the holidays. Everybody finds the market cleaned up at good prices, fair stock selling at from $1 to $3, with fancies held a few points higher.

The supply of chrysanthemums is about over, A 1 stock being exceedingly scarce and selling readily at good figures.

Violets still continue to be in very short supply, there not being nearly enough to go around.

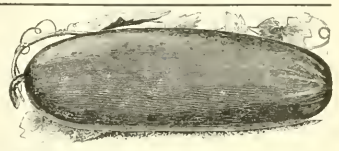
Bulbous stock has made its appearance and good prices are generally realized for same. Valley is a little more plentiful than for some time past.

The South Park Floral Co., of Newcastle, Ind., who captured all the carnation prizes at our show, still continue to send along their fancy carnations in liberal quantities, and we must say they are the finest that are received in St. Louis.

W. J. & M. S. Vesey, of Fort Wayne, Ind., continue to send their large cut of flowers to this market, and find that St. Louis is one of the best markets in the country all the year round.

The Chicago Florist Bowling Club are coming down Sunday, Nov. 12, to roll a match game with the home club. The famous florists' quartet of the city by the lake will accompany them, and if St. Louisians experience any wind storms, cyclones or tornadoes they will know to whom to attribute the cause. Our bowlers are confident that the lads from the windy city will have to go home via the "all tie" route. The bowling club had their regular roll last Monday night, with a full attendance. Emil Schray was high man with 257, Chas. Kuehn second with 246. Kuehn also rolled 671 in three games. A. J. B.

Livingston's
.. Emerald
.. Cucumber.



Is exactly what has been lacking for hothouse and hotbed use. Dark green.

PRICE (postpaid)—Packet, 10c; 3 pkts. 25c; 15 pkts. for $1.00 The Catalogue Trade is invited to list this variety. Terms on application.

A. W. LIVINGSTON'S SONS,
....COLUMBUS, O.

NEW PEA "GRADUS."
LAXTON'S Finest Early Pea of the Century.
Large Podded, Wrinkled, First Early.

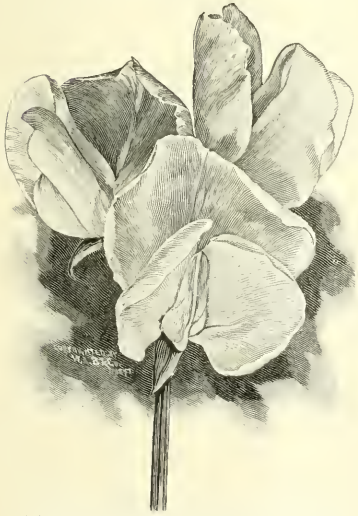
Highest Award, First Class Certificate from the R. H. S. after trial.

--WITHOUT doubt this is the greatest advance yet achieved in early Peas, for although the variety ripens with "William 1st" and "Eclipse," the deep green colored pods are of the size and as well filled as those of Duke of Albany, with large wrinkled Peas of the "Ne Plus Ultra" color when ripe and quite equal with that famous, as yet unvanquished variety for flavor. "Gradus" is also the most distinct early Pea yet raised, and is alike good for table and for show. PRICE—$5.00 per bushel. We have already booked large orders for the States for this variety. TERMS—Cash with order or London reference

LAXTON BROTHERS, Seedgrowers, Bedford, England.

BURPEE'S

PINK CUPID



SWEET PEA will be as famous in Europe as in America. It is second in the line of a new family of Dwarf Sweet Peas which we have had the honor of introducing.

* * * *

Our Farm Annual for 1898, an authority on Sweet Peas, the Leading American Seed Catalogue, will be mailed free to any address after Jan. 10 on application.....

W. ATLEE BURPEE & CO.
PHILADELPHIA.

Wholesale Catalogue of Sweet Peas for the trade only, giving testimonials from expert Horticulturists in England, France, Germany and America, as to the hardy growth and rare beauty of **Burpee's Pink Cupid.** Will be mailed to dealers on application.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

SWEET PEA prices are steadily stiffening.

SWEET CORN though scarce is not readily salable at any material advance.

MR. S. F. WILLARD secretary of the American Seed Trade Association has just completed his annual fall trip through the west.

THE Sunset Seed and Plant Co. issue a neat photographic hanger showing their sweet peas in bloom at the Hamburg Horticultural Exposition.

THE SEED TRADE lost an ornament in the death of Mr. Oliver Landreth, and also lost the best posted man in the trade on peas and beans in the death recently of Mr. T. V. Maxon, of Adams, N. Y.

W. M.

MR. EUGENE SCHAETTEL, the representative of Messrs. Vilmorin-Audrieux & Co., Paris, who has been visiting the trade here during the last few months, returns home on S. S. La Bretagne sailing December 11.

Asparagus Sprengerii.

We would like to know the best way to propagate Asparagus Sprengerii.

SOUTH.

We have not been able to root A. Sprengerii from cuttings; it may be propagated by division, but much the best and most economical way to multiply it is to grow it from seed, which germinates in four or five weeks from date of sowing, in a night temperature of 65°. The seed usually reaches this country from Europe in December, and if sown without delay, will make good plants in 2-inch pots for mailing in April, or these young plants may be shifted on and will fill a 6 or 7-inch pot with roots by fall. It is a gross feeder and is benefitted by frequent manure waterings; it requires full light at all times. The glass over it should not be shaded at all, even in summer; if grown under shaded glass it lacks vigor.

ROBERT CRAIG.

CHOICE SEEDS.

VERBENA GRANDIFLORA.

This improved strain of Mammoth Verbenas gives perfect satisfaction to my many customers, and is justly claimed to be the finest in cultivation; florets and trusses of extra large size, all the finest colors.

CYCLAMEN GIGANTEUM.

A magnificent collection of the finest giant-flowering varieties, largest flowers, best colors, 30 seeds to pkt.

PETUNIA GRAND FIM. FL. PL.

The largest and finest strain of double-fringed and mottled Petunias to be had. Extra. All the above are of the very finest, carefully grown.

Each, per trade pkt., 25c.; 3 pkts., 60c.; 6 pkts., $1.00. A pkt. of the new compact Alyssum to every order.

JOHN F. RUPP, Shiremanstown, Pa.

OSCAR KNOPFF & CO.

SEED GROWERS,

ERFURT, GERMANY.

Sole Agent for the United States and Canada:

M. RUTTENAU, 15 to 25 Whitehall St., New York.

Trade Catalogues and estimates cheerfully furnished Orders promptly filled direct from nurseries at Erfurt

See our Xmas adv. in this paper next week! Kennicott Bros. Co., wholesale cut flowers, 88 Wabash Ave., Chicago.

E. F. C. YOUNG, Pres. V. P. SNYDER, Vice-Pres.
JOS. D BEDLE, Sec'y. R. S. FOWLER, Treas.
S. M. PEASE, Gen'l Mgr.

The Cleveland Seed Co.

Contract Growers of

Peas AND Beans

and General

JOBBERS IN SEEDS.

Cape Vincent, N. Y.

Jadoo Fibre and Jadoo Liquid ...

Sold in Chicago and New York at Headquarters Prices by VAUGHAN'S SEED STORE. Our customers commend it.

THE BEST FOR ALL Florists' — ROSE LEAF EXTRACT OF TOBACCO INSECTICIDE — FOR SALE BY SEED STORES FOR FREE PAMPHLET WRITE TO LOUISVILLE SPIRIT CURED TOBACCO CO LOUISVILLE KY

For MILDEW on ROSES

CARNATION RUST, FRUITS AND VEGETABLES.

USE FOSTITE; 5 lbs. 50 cts.; 25 lbs. $2.00.

C. H. JOOSTEN, Importer of Bulbs, Plants, Seeds, 193 Greenwich St., NEW YORK.

FLORISTS FERTILIZER

Made from VIRGIN NIGHT SOIL by steam process—NOT Adulterated. Complete Fertilizer. Soluble, quick in action. Combines all the Elements for Nutrition of Plants. Pleasant to handle.

STANDARD FERTILIZER CO. Inc.
1822 Filbert Street, PHILADELPHIA.

It costs 4 cents for each 600 feet of floor space.

Kill AND SAVE the BLOOMS Bugs!

Does not injure the most sensitive plants. Endorsed by prominent florists. Used for fumigation or spraying indoors or out. 200 pounds of tobacco in one pint of Nikoteen. Sold by seedsmen. Circular free. SEABCURA DIP CO. CHICAGO.

Nikoteen

Quickly Does It.

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

THE ALBERT DICKINSON CO.

DOMESTIC AND FOREIGN

GRASS SEEDS

FOR

Parks, Tennis Courts, Lawns, &c.

In fancy 1 and 2 pound packages and bulk.

SPECIAL PRICES TO THE TRADE.

CHICAGO, ILL.

When writing mention American Florist

W. & D's. "SURE CROP"

MUSHROOM SPAWN

Hyacinths, Tulips, Narcissus, &c., &c.

SPECIAL PRICES TO CLEAR.

WEEBER & DON, Seed Merchants and Growers,
114 Chambers St., NEW YORK, N. Y.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

CLUCAS & BODDINGTON CO.

Importers and Exporters of

Seeds, Bulbs Plants,

501 TO 503 W. 13TH ST.,
NEW YORK CITY.

Send for quotations on all Florists' Bulb Stock.

ESTABLISHED 1838 — DREER'S SEEDS — FRESH RELIABLE

TRY DREER'S GARDEN SEEDS,

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER,
Philadelphia, Pa

Mention American Florist.

PALM Seed.

FRESH ON HAND

	per 100	1000	3000
COCOS WEDDELIANA	$1.25	$10.00	$27.50
MUSA ENSETE	1.25	10.00	27.50

J. L. SCHILLER,
404 E. 34th St., NEW YORK CITY.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,
Lock Box 1528, BOSTON, MASS.
Correspondence solicited.

EXTRA CHOICE FLOWER SEEDS.

List free on application.

FRED. ROEMER, Seed Grower,
Quedlinburg, Germany.

Buffalo.

STOCK IN FAIR SUPPLY.—WM. SCOTT CONFINED TO THE HOUSE WITH SORE FOOT.—CARNATIONS AT CHAS HEWSONS.—VISITORS.

We have had a little break in the winter, with mixed rain, snow and mud which has of course had its effect on the retail trade, and things have been quiet for a few days Flowers continue in fair supply, with no tendency to overload the market with good stuff, and prices are strong. Violets remain scarce and high with few offering, and there is no present prospect of a better supply. American Beauties seem to prevail in the store windows just now, and Harrisii lilies are getting more abundant. Some call is made for greens and the wholesale men are exhibiting samples of various things in that line.

Harry Millatt opened up his new retail store at 515 Main street as predicted last week, and is busy as one could expect.

Thrall & Peck are fitting up a new retail store on Main street a few doors above Rebstock's, and they say it is to be a dandy.

Wm. Scott is confined to the house with a sore foot—no, I don't think it is gout, but rather the result of too much walking up and down the Corfu hills in search of Hassenpfeffer.

A visit to Chas. Hewson's place on the Abbott Road a few days ago convinced me that there will be some good carnations in the city for the holidays. They stand up like a field of wheat, and are in A. 1 condition. He is one of the few growers who still grow "Silver Spray" and anyone who sees it as he grows it does not wonder that he retains it. It was at one time the leading white grown in this section of the country, but of late years has developed so much weakness that it has been generally abandoned.

I heard a rumor on the street the other day that the Florist Club was still alive and had money in the treasury; the rumor lacks confirmation, however.

Visitors in town this week were Walter Mott, representing Henry A. Dreer, of Philadelphia and Mr. Skidelsky of the same town. C.

Bargains in Bulbs

Per 1000

Roman Hyacinths, 11-12 ctm.	$12.00
" " 12-15 ctm.	17.50
Single Dutch Bedding Hyacinths, in sept. colors.	20.00
" " Forcing " "	22.00
" " Named " In sorts, 2nd size	30.00
" " " " 1st size.	45.00
Lilium Longiflorum, Japao, 6-8 inch.	18.00
" " " 7-9 inch.	35.00
Narcissus Trumpet Von Sion	9.00
" " Princeps.	7.00

CASH WITH ORDER.

HULSEBOSCH BROS.
ENGLEWOOD, N. J.

LILY OF THE VALLEY.

Just received, extra fine selected pips, per 1000, **$11.00.** Cash with order.

H. N. BRUNS,
690 W. Van Buren St. CHICAGO.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.



PHIADELPHIA, December 7, 1897.

See last week's issue of the American Florist for reduced prices on my celebrated

"DIAMOND W. P. BRAND"

...Mushroom Spawn

The quality UNSURPASSED. Get the best.

HOW'S THIS?

TOBACCO STEMS. (absolutely fresh). $8.00 per ton. Half ton lots at same rate; baled and delivered to depot.

WATSON'S BONE MEAL—Strictly Pure—(for florists). $30.00 per ton. Half ton lots at same rates; f. o. b. Phila.

VALLEY PIPS. Watson's Best Berlin. $12.00 per 1000. These are the very finest selection of 3 year pips, all large and uniform in size and carefully packed. Quality unsurpassed. I will sell in unbroken cases (2500) @ $11.50 per 1000; cash.

SPIRÆA JAPONICA; large clumps, well budded. $4.00 per 100.

SPIRÆA ASTILBOIDES FLORIBUNDA; extra fine clumps. $5.50 per 100.

George C. Watson, PHILADELPHIA, PA. .....Juniper below Walnut.

Mention American Florist.

FORCING

Spirea astilboides floribunda	$6.00 per 100
" multiflora compacta	6.00 per 100
" japonica	3.50 per 100

Orders entered now for Spring delivery—for H. P. Roses, Clematis, Magnolias, Tree Roses, Hardy Azaleas, etc.

Branch of the Horticultural Co. Boskoop, Holland.

L. G. BOBBINK, Rutherford, N. J.

CYPERUS ALTERNIFOLIUS.

2½ inch pots . . . . . 40 cts. per doz.; $2.50 per 100

GREVILLEA ROBUSTA.

2½-inch pots . . . . 40 cts. per doz ; $2 50 per 100

ASPARAGUS TENUISSIMUS.

3 inch pots . . . 50 cts. per doz.; $3.50 per 100

CALIFORNIA VIOLETS.

Field grown . . . . . $4.00 per 100

CARNATIONS.

Mapledale (new). . . . . $8 00 per 100

Medium sized plants of the following standard varieties, $4.00 per 100: Portia Wm. Scott, Della Fox, The Stuart, and Tidal Wave.

NATHAN SMITH & SON, Adrian, Mich.

E. G. HILL & CO.

Wholesale Florists,

RICHMOND, IND.

AZALEA INDICA.

9 to 10 inch, full of buds.	$3 00 per doz.
10 to 12 " "	3 50 "
12 to 15 " "	5 50 "
Cinerarias, 2½ inch	2 00 per 100
" 3 "	3 00 "
Calceolarias 2½ "	3 00 "
Golden Dwarf Marguerite Cuttings	1.50 "

WHITTON & SONS, Wholesale Florists,
City and Green Streets, UTICA, N. Y.

On the principle that *Actions Speak Louder than Words*

We are pleased to exhibit samples of our work as evidence of what we can do, rather than talk a lot about it. We made the elegant illustrations in the Dec 4th issue, pages 426. 427. 432. 433. See also design made by us and used in adv. of Stollery Bros page 445. Plant and Seed Catalogue work is our great fort

Illinois Engraving Co.
350 Dearborn Street

When writing mention the American Florist.

"Only an Old Geranium."

Under this head may I be permitted to say a few words in behalf of a class of plants which so far as our florist papers are concerned one would hardly know were in existence, and still during the past ten or twenty years the improvement in varieties has been fully equal to that of any other class of plants. I remember some nineteen years ago when Mr. John Thorpe sold the stock of Mrs. Hayes, J. H. Klippart and Henry Cannell, that the superintendent of one of the largest establishments stated that we had reached the top notch in geraniums and need not look for much more in the way of improvement.

For a moment let us compare varieties. Take for instance George Sands, the double white of twenty years ago and place beside it the La Favorite or Mme. Buchner of today; in single whites compare Emily Voucher with L'Aube or Marguerite De Layre; in scarlets compare Henry Cannell or J. H. Klippart with Alphonse Ricard or J. J. Harrison, and then consider some of the decided breaks in color such as Souv. de Mirande, Mme. Bruant, Beaute Poitevine, Fleure Poitevine, Mme. Jaulen and many others that space will not permit me to mention here, and you can then get some idea of the vast improvement in geraniums; still such remarkable varieties as Souv. de Mirande and Mme. Bruant will be exhibited at the Society of American Florists convention and not even a word will be said of them in our trade papers. "It's only an old Geranium." Yet these same old geraniums constitute a large majority of the stock in trade of hundreds of market growers in this country who are just as interested in the good things in their line as the grower of roses, chrysanthemums and carnations are. While I do not think any too much space is devoted to them I do say, "Give the old Geranium a show."

A. T. SIMMONS.

DAVENPORT, IA.—On Nov. 27 a fire occurred at the establishment of Mr. Chas. Damacher. The loss consisted of boiler house, several greenhouses, together with all the plants, those which were not burnt being frozen after the fire. The total loss amounts to $2,000, with only $550 insurance.

Ferns.

PTERIS SERRULATA.
PTERIS CRETICA ALB. LIN.
Fine 2-inch plants for ferneries at $2.50 per hundred, to close out Cash with order.

SONNENSCHMIDT & JUNGE,
456 East Washington St., INDIANAPOLIS, IND.

FERNS...

In fine assortment, from 2½ in. pots, $3.25 per 100; $30.00 per 1000.....

CHAS. T. DARLING, Stony Brook, L. I. N.Y.

PANDANUS VEITCHII
Clean plants in good condition.
7-inch pots, $1.50 each; $18.00 per dozen.
Also a few fine 8-in. at $2.00, 9-in. at $3.00, 10-in. at $4.00 each.

JOHN WELSH YOUNG,
.... GERMANTOWN, PA.

Always mention the American Florist when writing to advertisers.

Azalea Indica

FINE PLANTS, WELL SET WITH BUDS. Per 100
10 to 12 inch crowns ..... $ 38.00
12 to 13 inch crowns 50.00
13 to 15 inch crowns 60.00
This stock is in fine shape, with bright, clean foliage.

ARAUCARIA EXCELSA.
Excellent plants in fine condition.
12 to 15 inches high..... $12.00 per doz.
15 to 18 " ..... 15.00 "
18 to 20 " ..... 18.00 "

ASPARAGUS PLUMOSUS.
Strong, 2½ and 3-in. pot plants $7 per 100; $60 per 1000.

LILY OF THE VALLEY.
Selected 3 year old Berlin Pips, $10.50 per 1000. Per Case of 2500 $25.00.

CRIMSON RAMBLER ROSES
Strong, two year field-grown plants with several shoots 3 to 5 feet long. This rose forces readily, and MAKES SPLENDID SPECIMENS FOR EASTER SALES. $12.00 per 100.

LILIUM LONGIFLORUM.
Japan grown. A few thousand left in prime condition. 5 to 7 $20 per 1000. 7 to 9 $35 per 1000.

LILIUM AURATUM.
7 to 9 inches..... $4.00 per 100
9 to 11 inches..... 5.00 per 100

CANNAS. An immense stock, including THE CREAM OF THE NEW VARIETIES. President Cleveland, Tarrytown, Duke and Duchess of Marlborough, and others. Write for list and prices.

ORNAMENTAL TREES AND SHRUBS in large assortment for Yard, Street and Park planting. Also Fruit Trees, Grapevines and Small Fruits. *Catalogue and Trade List free. Correspondence solicited.*

THE STORRS & HARRISON CO., Painesville, O.

Palms,
Pandanus Veitchii,
Ferns and Araucarias,
IN ANY QUANTITY.
JOHN SCOTT,
Keap Street Greenhouses,
.... BROOKLYN, N. Y.

PALMS SEND FOR SIZES AND PRICES
EDWIN LONSDALE
CHESTNUT HILL. = PHILA. PA.

LATANIAS.
2½ to 3 feet high and wide, 9 to 11 large leaves, $1.00 each Same size, $3.00 last season.
Arecas, Kentias & Pandanus Utilus.
Different sizes, fine stock, low prices.
J. W. COLFLESH,
53d and Woodland Ave., PHILADELPHIA.

PALMS.
Send for Price List.
JOSEPH HEACOCK,
WYNCOTE, PA.

PALMS and FERNS
The Largest Stock of PLANTS IN THE WEST

GEO. Wittbold 1708 N. HALSTED ST CHICAGO

SEE
A. SCHULTHEIS, COLLEGE POINT, NEW YORK.
P. O. Box 78, Telephone Call 51 F.
FOR
PALMS
AND
FLOWERING PLANTS
FOR XMAS!
ERICA FRAGRANS from 50c. up. Specimens over 3 feet high, about 2 feet in diameter, extra fine.
ERICA WILMOREANA, pink trumpet, a grand lot from 50c. up.
CYCLAMEN PERSICUM PLANTS from 25c. up. We have over 200 large plants with crowns, from 10 to 14 inches across.
AZALEAS from $6.00 per dozen to $5.00 each, a few extra large plants.
Take trolley car, only 5 cents from Long Island City; or train North Shore Division, College Point, depot opposite my greenhouses.
Several extra fine METROSIDEROS.

ROBERT CRAIG
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Street, PHILADELPHIA, PA.

A. FARLEYENSE,
Extra strong plants from 3-inch pots in excellent condition at $3 per dozen; $20 per hundred.
NEPHROLEPIS EXALTATA at $5.00 per hundred.
NEPHROLEPIS EX. BOSTONIENSIS, at $5 per hundred.
NEPHROLEPIS CORDATA. Fine for Fern dishes or specimen plants at $6.00 per hundred.
PTERIS TREMULA all sold.
A few PTERIS SERRULATA at $3.50 per hundred, strong.
R. WITTERSTAETTER,
SEDAMSVILLE, OHIO.

Cincinnati.

TRADE EXCEEDINGLY GOOD.—TABLE DECORATION OF 'MUMS AND BEAUTY ROSES.—CARNATIONS SCARCE.—A NEW STORE.

Trade has been exceedingly good the past week, almost every available flower being sold, several swell weddings and social events having occurred. Among these Sunderbruch's Sons had the decoration of the Freiberg wedding at the Phœnix Club. The table decoration consisted of chrysanthemums and Beauty roses; 700 'mums and 200 Beauties were used for this occasion, also 200 strings of smilax and four loads of decorative plants. Messrs. Peterson and Critchell have also booked several prominent weddings for this month.

Carnations are none too plentiful at present, and bring from $1.50 to $2.50 per 100. The supply of roses is equal to the demand, with the exception of Beauties. A glut in violets had been predicted the early part of the season, but judging from the present outlook they will be very scarce for the holidays. Chrysanthemums are diminishing both in quality and quantity, and will soon cease to occupy a prominent place in the store windows.

A new enterprise is talked of in the store line. Messrs. J. O'Malley and Foley are announcing the opening of their store at Walnut and Sixth street.

H. SCHWARZ.

St. Paul.

'MUMS PRACTICALLY OVER.—INDICATIONS FOR CHRISTMAS TRADE GOOD.—VIOLETS SCARCE.—VARIOUS ITEMS.

Trade has fallen off a little since Thanksgiving though it is still quite active. 'Mums are practically all gone, Swanson being the only one here who has any good blooms left. Other stock is not very plentiful. Roses are of quite good quality and in good demand, as are also carnations and violets.

The cold wave of last week had its usual effect in shortening the cut and deteriorating the quality of all blooms. From present indications Christmas trade will be good. Green and holly have made their annual appearance and most of the stores are putting on holiday attire.

Dr. Schiffman, our orchid king, has just returned from an eastern trip having visited several large orchid growers and added a good many plants to his collection. He expects to visit British Guiana, Yucatan and other Central American countries next month on an orchid hunting expedition.

John Nilsen is bringing in some very choice Swanley White and Marie Louise violets. C. F. Haupt has also some very choice violets. More violets are being grown here than ever before and still the supply seems largely inadequate, and thousands are shipped in monthly from eastern cities.

Chris Hansen is offering his entire plant for sale or rent. Mr. H. has built up a big trade in a few years, by strict attention to business, and has the second largest range of houses in the city.

Mr. Roach, of Cambridge, N. Y., and J. M. Kimberlin, of California were recent callers.

FELIX.

PLANT DISEASES DISTRIBUTED BY INSECTS.—Recent experiments by Italian scientists demonstrate conclusively that moulds and other fungoid diseases are readily carried by insects from diseased to healthy plants.

NEW CARNATION

"Mrs. S. A. Northway"

A soft shell pink, developing to nearly pure white.

OUR MASTERPIECE.

We shall commence shipping soon.

Orders booked **now** and filled in **rotation.** . . . .

PRICE: PER 100, $10.00. PER 1000, $75.00.

Newer Geraniums.

Mme. Bruant, Mme. Jaulen, Fleure Poitevine, J. Sallier and J. Ricaud. Fine stock from 2¼-inch pots, $5.00 per 100. ROOTED CUTTINGS, $3.00 per 100; $25.00 per 1000. Net cash.

GENERAL LIST OF GERANIUMS.

A superb stock in quality and variety of all the finest sorts, from 2¼-in. pots, named, $25 per 1000; unnamed, $20 per 1000. ROOTED CUTTING, $12.50 per 1000. Net cash.

Fuchsias.

A grand lot of summered-over stock in small pots that will make early blooming plants, $3 per 100.

W. P. SIMMONS & CO.

Make the following statement to the readers of the American Florist:

As originators and introducers of
"Silver Spray,"
"Tidal Wave,"
"Daybreak,"
and "Rose Queen,"

each of which has, we believe, proven even better than we claimed for them. We NOW say for 1898 that

"Mrs. S. A. Northway"

possesses all the good points that go to make up a first-class and profitable cut flower sort, and that we introduce it with even more confidence than we did the others.

It is an extra strong grower.
It is free from rust or disease.
It is a profuse bloomer.
It has exceedingly strong stiff stems.
It is of exquisite form full and double.
The flower is high built, petals serrated.
The calyx does not burst.
It is delightfully fragrant (a quality lacking in many new ones.)

OUR PRICE LIST now ready, contains prices on many other plants. SEND FOR IT.

W. P. SIMMONS & CO., Geneva, Ohio.

HERR'S PANSIES ARE THE BEST.

Fine plants, 75c per 100; $5.00 per 1000.

CARNATIONS.

My experiences with the old and the new will be ready Nov. 15, and mailed for the asking.

ALBERT M. HERR, Lancaster, Pa.

The Cottage Gardens QUEENS, L. I.

Specialties in CARNATIONS, CHRYSANTHEMUMS, CANNAS, GERANIUMS, DAHLIAS.

SEND FOR OUR PRICE LIST

	Per 100
SMILAX—Strong 1 year	$1.50 and $2.50
CLEMATIS—Leading kinds for fall	
PÆONIAS—Herbaceous, choice asst.	8.00
NARCISSUS—Double and single Poets	75
RED JACKET COOSEBERRIES—Very low prices.	
DOWNING COOSEBERRIES—1 and 2 year.	
DAISIES—Snowflake and Snowdrift	2.00
H. P. ROSES—In assortment	10.00

F. A. BALLER, Bloomington, Ill.

We are now Booking Orders for that Peerless New Yellow DAHLIA

Clifford W. Bruton.

It is an early and profuse bloomer, while the flowers are of immense size and grow on very long stems. Address

W. P. PEACOCK, ATCO, N. J.

H. WEBER & SONS,

CARNATIONS,

OAKLAND, MD.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Worcester.

WEATHER UNFAVORABLE. — CARNATIONS OFF CROP.—BOUVARDIA FOR CHRISTMAS.

Although the weather has not been at all to our liking, warm and stormy, trade has about held its own; not as good as we would like to see it, of course, but very fair compared to the rather mournful reports from the larger trade centres. Society has not yet awakened from its summer lethargy. Charity Ball, which is on for the early part of this month, may start the other balls a-rolling.

We are still getting good chrysanthemums, H. W. Reiman, Maud Dean, Jones and Yanoma being especially well done and moving fairly well.

Carnations are a little off crop, but we are getting enough for present demand. Storm King, Daybreak, Scott and Albertini are in most demand, and of the new ones grown here Victor and Maud Dean are showing up the best so far. The color of C. A. Dana is very taking, but the blooms up to the present have not enough substance.

Roses are plentiful and of good quality, and though somewhat off crop we are getting about enough.

Violets are in good demand, and are not at all plentiful; quality could be much improved. Roman hyacinths and paper white narcissus are plentiful now, and we are getting a few Harrisii.

Lange has a house of bouvardia, loaded with flowers, which will be in full crop for Christmas. Although this old flower has generally been discarded there is money in it if handled right.

A. H. L.

Marechal Niel—Swainsonia.

What can I do to get my Marechal Niel to bloom? Have had it three years. It is a strong grower and has been cut back twice but will not bloom.

What makes Swainsonia drop their leaves? SUBSCRIBER.

The Marechal Niel is probably growing in a house altogether too warm to suit it, as a result the wood fails to mature, and when pruned the buds break and run to stem and foliage only. When the Marechal Niel makes a good wood there should be no difficulty in blooming it, provided the growths are properly ripened, pruned at the right time, and started up in a suitable temperature, 50° at night is about right, to be gradually increased to 55°. Thorough ripening of the growths is the prime requisite for abundant and superior bloom.

Swainsonia when at home grows like a weed and should hold its foliage almost down to the root. When growing plants shed their foliage in quantity, without there being any satisfactory reason apparent, we may rest assured they have received a severe check of some kind, and in all probability to the root action. It may be brought about by too much or too little moisture in the soil, or rapid and extreme change from one condition to the other, again an abnormally low temperature may be the cause. There is less cause for apprehension when lack of moisture has caused the leaves to fall, than when an excess of water is at fault; in the first instance the foliage alone has suffered while in the other both root and foliage are gone. ROB'T SIMPSON.

IT COSTS NOTHING to get your name and address in the NEW DIRECTORY. Send your business card to the AMERICAN FLORIST CO., 324 Dearborn street Chicago.

...NEW CARNATIONS...

WHITE CLOUD.

White, large, fragrant flowers; strong habit, constant bloomer. A. C. S. Certificate.

NEW YORK (Ward).

Bright cerise pink. Strong, vigorous habit. Early. Certificate.

MRS. JAMES DEAN (Ward).

Clear, silvery pink, strong habit, constant bloomer. Certificate.

GOLD NUGGET.

Best yellow, only slightly marked with red. Strong habit, constant bloomer. Missed A. C. S. Certificate by one point for lack of fragrance.

JOHN YOUNG (Ward).

White, fragrant, free bloomer, strong habit.

BON TON (Ward).

Scarlet, strong habit, resembling Portia.

Prices for above varieties, $2 per dozen; $10 per 100; $75 per 1000.

WE HAVE all the principal 1897 Novelties and other Standard varieties at lowest prices.

F. DORNER & SONS CO., LA FAYETTE, IND.



PRIMULA CHINENSIS, 2-inch pots ..... $2.50 per 100, $20.00 per 1000

PRIMULA, transplanted seedlings, from flats $1.50 per 100.

FERNS, 3-inch pots ..... $5.00 per 100

CARNATIONS. Field grown Lizzie McGowan and Scott. Write for prices.

VIOLETS. Marie Louise, strong field grown. Write for prices.

HYDRANGEA HORTENSIS, rooted cuttings ..... $2.00 per 100

SWAINSONA ..... $2.00 per 100

ABUTILON Souvenir de Bonn and Golden Fleece... $3.00 per 100

GERANIUMS. Rooted cuttings.... ... $1.50 per 100, $12.00 per 1000

C. LENGENFELDER.

Lincoln and Berteau Avenues, CHICAGO.

50,000 Flat-Grown CARNATIONS

STRONG STOCK.

	per 100	per 1000
Daybreak	$2.00	$15.00
Scott	2.00	15.00
Rose Queen	2.00	15.00
Tidal Wave	1.50	12.00
Portia	1.50	12.00
Rob Roy (new)	10.00	
Jubilee	3.00	
Snow Queen	10.00	
Silver Spray	1.50	12.00
L. McGowan	1.50	12.00
Eldorado	2.00	
Meteor	2.00	
Flora Hill	5.00	
Triumph	3.00	
Armazindy	3.00	

Cash with order. HENRY A. NIEMEYER, Erie, Pa.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

CARNATIONS

After the early Chrysanthemums are thrown out many florists plant Carnations. We have a few thousand plants heeled in in the cold house suitable for this purpose. They are first-class plants, the last of 94,000 set out in the spring.

800 Grace Wilder, 200 Scotts,
2000 Silver Spray, 600 Eriesconrt,
1200 Albertini, 300 Rosalind,
800 Dean Hole, 100 Armazindy,
1500 Portia, 100 Mrs. Carnegie.

$4.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

Always mention American Florist.

BAKER'S

NEW CARNATIONS.

Grown and tested five years.

ONEIDA—Pure pink, healthy; no rust; continuous producer; largest size bloom.

RED JACKET—Bright red, fine stem and calyx; continuous cropper. $10 00 per 100.

Orders booked now to be filled in rotation as fast as rooted.

C. F. BAKER, Utica, N. Y.

STOCKY, FIELD-GROWN CARNATIONS.

New and standard vars., $5.00 per 100 and upward.

GEO. HANCOCK & SON, Grand Haven, Mich.

Rochester, N. Y.

CUT FLOWER TRADE UNSTEADY.—PRICES FLUCTUATE.—VIOLETS WORTH THEIR WEIGHT IN GOLD.—PLANT SALES NOT SO SATISFACTORY.

Cut flower trade was rather unsteady during the week past, some days the demand was very brisk and at other times business dragged along very slowly. Prices were equally unsteady. Roses of all grades had advanced over former figures, but dropped to the old price again for a day or two, and then another rise was caused by an increased demand but at the time of writing the lower prices prevail again. Carnations are coming in more plentiful and bring fair prices, but the scarcity of violets is felt in every store only a very limited quantity is offered and any price, which the grower may ask, is willingly paid for them, though they may not be of the very best quality.

Chrysanthemums are on the wane, but a few whites of questionable quality are in the market still. Romans and paper whites go off better now than before Thanksgiving and generally all of the available supply is used up clean. Undoubtedly the prevailing unpleasant stormy and snowy weather had an influence on the falling-off of the trade on some days, for whenever the day was fair and mild, a material improvement was felt in every quarter.

Plant sales are not quite so satisfactory as we might expect at this time and the prevailing prices are considerably lower than those in other cities, though the stock compares favorably with any other; our profits on palms for instance are only nominal when we have to buy the plants from the leading growers and in other lines it is not much better. In flowering plants most of our florists are better off because these are grown on in their own houses and if they don't get a high price, they are contented with a reasonable profit.

The cyclamens offered in this city in some of the leading stores are probably as good as the best in the country but they retail for less than half the New York prices and so it is with nearly all other stock, the public is not to be blamed for these conditions we have too many small concerns here, who are trying hard to make a living, but are afraid to ask a fair price for their product because their neighbor and competitor may have the reputation of selling cheap and the sale of a plant might be lost if the price is not satisfactory. The stock offered by these concerns is seldom up to the standard but the fact that it is sold very cheap has a detrimental influence on prices obtained for the superior article. J. B. K.

Distance Apart to Plant Chrysanthemums.

In Mr. Stollery's article on "Chrysanthemum Culture" in your issue of November 6, he says, "As we grow all of our plants (with one or two exceptions) to two flowers to the plant we plant farther apart than we would if grown to single stem. The average distance is about 8 inches in the rows and 9 inches between." Are we to understand from this that Mr. Stollery gets two blooms from this space or does he allow 8x9 for each bloom? I would be pleased to hear from different prominent growers in regard to the distance they plant. In my house this year I allowed 6x7 for single stem plants and the largest blooms were on ends of rows. R. W. SMITH.

In answer to above inquiry Mr. Smith should substitute "ordinary" for the word "average," making the sentence read "The ordinary distance is about 8 inches in the rows and 9 inches between." From this space we get two blooms. While this will not work with some varieties with others it does. With such a heavy grower as Golden Wedding this year our entire cut averaged 30 cents per bloom wholesale and these were grown as I have described. Mr. Smith will always find that along the sides of the benches and ends he will get the best flowers owing to the plants getting more air and light. GEO. STOLLERY.

CYCLAMENS ✻ CYCLAMENS

Before ordering your Christmas Stock, don't fail to pay us a visit.

TEN THOUSAND SUPERB PLANTS
IN FINE BLOOM FOR THE HOLIDAYS.

Cyclamens from $3.00 to $24.00 per dozen

PRIMULAS, finest stock in New York State, $12.00 to $15.00 per hundred.

KENTIA BELMOREANA, $50.00 to $75.00 per hundred

SPECIAL PRICES FOR LARGE QUANTITIES.

CHAS. TRAUTH, 410 Lincoln Road, Flatbush, N. Y.

100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION.
Fine pot plants, $2.50 per 100; $20 per 1000. Rooted Cuttings, 75c per 100; $6.00 per 1000; $50 per 10000.
NO RUST OR MILDEW.
PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.
We are the Largest Growers of Verbenas in the country.
Our plants cannot be surpassed.
J. L. DILLON, Bloomsburg, Pa.

50,000 SMILAX by mail, 50c per 100, $4.00 per 1000.

GERANIUMS mixed, from 2 in. pots, $2.25 per 100, $20.00 per 1000.

Send for samples. Cash with order. FRED BOERNER, CAPE MAY, N. J.

VERBENAS.
The finest collection in America, 35 varieties, every one a gem—mammoth size, striking colors, green as grass and as clean as a whistle. Rooted Cuttings, 60 cts. per hundred; $5 00 per thousand. Strong plants, full of cuttings $2 00 per hundred.
STRICTLY CASH WITH ORDER.
SOUTH SIDE FLORAL CO., Springfield, Ill.
Mention American Florist.

CHRYSANTHEMUMS.
STOCK PLANTS FROM BENCH.
Marion Henderson, Montmort, Ivory, Pink Ivory, Queen (white and yellow), Wanamaker, etc.
Also a large collection of the best Ostrich Plume varieties. All $1.00 per dozen; $5.00 per hundred.
CHAS. L. MARSHALL, 67 Merrimac St., Lowell, Mass.
Mention American Florist.

ROSES.
FIELD-GROWN, OWN ROOTS.
No. 1, two to four ft., cut back to two ft.
Marechal Niel, Yellow Rambler, Hybrid Perpetuals, Mosses, Hardy Climbers, Madame Plantier, and Wichuraiana.
All on own roots except Marechal Niel, which are grafted on non-sprouting roots. These plants are very strong and well shaped. Prices on application. ADDRESS
W. F. HEIKES, Mgr., Huntsville, Ala.

BOUGAINVILLEAS.
Beautiful for "cutting" or pot sale.
Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests.
Send for "Comments and Facts."
THEO. F. BECKERT, Glenfield, Pa.
9 miles below Pittsburg, Pa.

Chinese Primroses....
FOR THE HOLIDAYS. Fine plants in bud and bloom in 4 separate colors (single and double), my selection from 3-in. pots, $4.00 per 100.
Rooted Geraniums, prepaid, double Grant, S. A. Nutt, La Favorite, Mme. Salleroi, Ivy leaf Geraniums in six colors, strong and well-rooted, $1.50 per 100; from 2½-in. pots, $2.50 per 100.
Begonia Argentea Guttata, from 2½ in. pots, $2.50 per 100; rooted cuttings, $1.50 per 100.
SATISFACTION GUARANTEED.
PAUL MADER, East Stroudsburg, Pa.

GERANIUMS. Grand bedders, New and Fancy, 50,000; 40 varieties, strong rooted cuttings, any quantity $1.00 per 100 by express; $1.25 by mail.
PANSIES. My standard assortment of best productions. Any quantity, 40c. per 100 by express; 25c. for 50 mailed for trial beside any other. Seed of same, 1000 for 20c.
Bedding Begonias, Coleus, Pelunia, Salvia, Verbena, etc., in season.
Ask for list of Geraniums and other stock.
DANIEL K. HERR, Lancaster, Pa.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

Newport, R. I.

BUSINESS DULL.—WEDDINGS HELP FLORISTS.—VARIOUS CHANGES.—BUILDING.

It is very much in evidence that business in the florist line is very dull. The Dresser-Merrill wedding, which took place on the 1st inst, stirred up for the time being the demand for choice flowers. Hodgeson was the decorator for this event. Although the decorations were not elaborate they were considered artistic in the arrangement of palms, roses, valley and 'mums. Large bouquets of white 'mums adorned the altar table at the church. At the house roses, valley and moire ribbon were liberally used in festooning, and in the construction of a large suspended bell, under which the bride and groom received. The background around this formed a semi-circle consisting of palms, the effect of which was quite striking.

Mr. J. M. Hodgson has purchased a large palm house from Mrs. M. Brooks, a summer resident, and has had same erected on his place on Bellevue avenue. In addition to this he has has built a large iron frame plant house and has thoroughly strengthened and improved other houses in a decorative manner. This place for several seasons has looked artistically attractive, and is a source of much admiration from summer visitors.

The former Gardiner Brewer estate, now owned by Mrs. M. Brooks, has always contained in its greenhouses a rare collection of plants. This fact is largely due to the efforts mrde by Mr. Brewer who when owner spared no expense in obtaining plants. Much credit is due to Mr. James Hill, one of Newport's most experienced and best informed gardeners, and who has held the position of gardener on this estate for over twenty years, for the preservation of this costly collection, which has no equal of its kind in Newport. On this estate a pond is being built in which to grow lotus, the pink variety of those plants will be mostly used. The first water lilies cultivated to any extent in this city were grown on this place, and large tanks of the best varieties of those plants are still in existence there

The greenhouses built last fall on the estate of J. J. Van Alen, Esq., are advertised to be let on reasonable terms. Mr. Arthur Griffin, the former gardener has severed his connection with this place.

J. J. BUTLER.

Pittsburg.

BUSINESS QUIET.—VARIOUS DECORATIONS.—A SON BORN TO MR. F. BURKI.—MEETING OF CLUB.

Business this week has been quiet with no special features to mention, except that most of the large growers have finished cutting chrysanthemums for this season, and now roses, carnations, etc., will have the call and in all probability better prices will rule. In the Allegheny market American Beauties advanced to $8 per dozen. The demand for funeral work is good, but there are no new designs or ideas in that line lately to report, regular designs and ribbon tied bunches of flowers still prevailing.

Mr. Gustave Ludwig, Allegheny Market reports business fair, but he, like many others, could do more without over-doing himself. This week he had a large decoration at the Monongahela House for the Presbyterian Union. The rooms were beautifully decorated with palms, etc., and in the banquet room there were 24 tables decorated, besides the general decoration of the room. Mr. Ludwig displayed some fine blooms of orchid zygopetalum at his store (they were grown by Mr. John Murchie, of Sharon, Pa.); also a carnation of Mr. M.'s seedling No. 2, which is very fine, flower large, white marked with a color very near crimson lake. As a novelty it is very taking. The blooms were shown in same vase with the orchid mentioned, the colors harmonizing beautifully.

The Secretary, Mr. Langhans, of the Florist Club, has issued notices for the meeting on the 9th inst., which is to be a "smoker" in all probability. As this will be the only meeting this month, it is expected there will be a good turn-out of the members.

Mr. Fred Burki, Bellevue, Pa., is receiving the congratulations of his brother florists in the recent arrival of his second son.

Mr. Renkauf, representing Messrs. H. Bayersdorfer & Co., visited the trade here this week. REGIA.

The Yellow Fellow Winner of the $100 high grade Stearns Bicycle Prize in a strong competition. It gives a large, graceful bloom under ordinary treatment and can be grown a "whopper" for exhibition. Bud tinted bronze, maturing rich bright yellow; constitution ironclad. Mid-season variety. 50 cts. each; $3.00 per dozen.

Wm. H. Chadwick A phenomenal seedling, the grandest of the year. A star production. Certificated at Chicago, Boston, New York and Philadelphia. An immense, graceful incurved bloom, waxy white, occasionally tinted pink. Growth, habit, stem and foliage simply perfect. Mid-season or late. Anybody can grow it satisfactorily. It cannot be praised too highly. Per single plant, $1.00; $6.00 per dozen.

Madeline Pratt Certificated 1896. Named for the sweet little miss on the Chrysanthemum certificate; snowy white, high built bloom. A very beautiful flower. Early mid-season. Best four terminals grown cool. 35 cts. each; $5.00 per dozen.

Strong, healthy young stock from 2½-inch pots distributed March 1st. Advance orders already numerous.

.....GROVE P. RAWSON, Elmira, N. Y.

New Chrysanthemums.....

MRS. C. H. PEIRCE (N. C. S. Certificate.) Yellow.

.....35 cts. each; $3 50 per dozen; $25.00 per hundred.

SNOW QUEEN (N. C. S. Certificate.) White.

.....50 cts. each; $5.00 per dozen; $35.00 per hundred.

MERRY CHRISTMAS, LATEST and BEST White

.....35 cts. each; $3.50 per dozen; $25.00 per hundred.

Send for List, Ready Jan., 1898. F. DORNER & SONS CO., La Fayette, Ind.

CHRYSANTHEMUM STOCK PLANTS

Any of the following at $1.50 per dozen; $10.00 per 100.

Alcazar, Beaute Lyonnaise, Buff Hairy, Constellation, Crystalina, Chas. Davis, Defender, Eugene Dailledouze, Enfant de Deux Mondes, Mme. M. Bigelow, Evangeline, Golden Wedding, Geo. W. Childs, Geo. Bramhall, Gretchen Buettner, Golden Hair, Golden Trophy, H. W. Reiman, Ivory Ida, Joanna, Jayne, Louise Boehmer, Lorie, Miss Minnie Wannamaker, Mrs. Jerome Jones, Mrs. J. G. Whilden, Major Bonnaffon, Mme. F. Bergman, Mayflower, Mrs. W. H. Rand, Mrs. Moses J. Wentworth, Mrs. Col. J. Thompson, Mrs. Potter Palmer, Mrs. Higinbotham, Miss M. M. Johnson, Mrs. S. T. Murdock, Mrs. H. Robinson, Millbrook, Mrs. A. J. Jones, Miss May Willimson, Merry Monarch, Mrs. Perrin Modesto, Midnight, Marion Cleveland, Miss Agnes L. Dalskov, Mrs. [illegible] Peabody, Mrs. Geo. J. Magee, Margaret Jefferds, Mrs. Martin A. Ryerson, Niveus, New York, Oakland, Philadelphia, Paul Noleette, Pitcher & Manda, Reine d'Angleterre, Shavinga, Sunclad, The Queen, The Times, Thanksgiving, Viviand-Morel, William Simpson, White Swan, Yellow Queen, Yanoma, Yellow Monarch.

14 Barclay St. NEW YORK VAUGHAN'S SEED STORE 84-86 Randolph St. CHICAGO

CHRYSANTHEMUM FRANK HARDY. THE SENSATION OF THE SEASON

Certificated by the committees of the Chrysanthemum Society of America at New York, Chicago, Boston and Philadelphia.

First prize among whites wherever exhibited. The best mid-season white to date and indispensable to every grower whether for exhibition or the cut flower trade.

Plants ready March 1st and orders filled in rotation.

Price, per plant, 50c.; per dozen, $3; per 100, $20; per 1000, $150. 25 at 100 rate; 250 at 1000 rate.

A. HERRINGTON, FLORHAM FARMS, - - MADISON, NEW JERSEY

SPECIALTIES IN BEST VARIETIES.

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.

JUSTICIAS VELUTINA, NERVOSA FLAVA 2½-inch $8.00 per 100.

Strong plants AERVA SANGUINEA, $5.00 per 100.

THE CONARD & JONES CO., WEST GROVE, PA.

Milwaukee.

There were two receptions Thanksgiving week of special importance, which brought the florist out in "high relief," one of which was a private affair. The reception room was peculiarly decorated. In the corner, beginning four feet from the floor, were kentias extending to ceiling; at the top plants five feet tall were used, which projected far overhead. It was a novelty, and was strikingly beautiful. Underneath there was a representation of an undergrowth of ferns extending farther along the wall than did the palms, taking in the grate and part of mantel shelf. No flowers were used, but very pleasing contrasts were produced by use of light-colored fronds.

The contrivance for putting up the kentias was so simple that it may be of interest for readers to know about same. A few strips were put up, extending from floor to picture moulding, the top end being fastened to moulding; paper being placed between wall and strips to keep wall clean; wire nails were driven in sides of strips. A copper wire was looped around one nail, then around the pots just under the rim and a twist on opposite nail, and a 25-pound kentia hangs gracefully with just the required tip. It is so easily done that any florist can put up a strip with ten minutes' practice and find that the demand for "tall palms" is easily supplied. On the opposite side of this room were arranged the American Beauty roses, which were sent in as gifts. There were a trifle over 1,000 of them. The "Albany smilax" was hung on the walls, being suspended from picture moulding, and numerous Mason jars hung with wire, being half filled with water. A mound of foliage was arranged on floor and some heavy stems of the smilax made bare for two feet, which looked as though the vine grew from that point. This spread over the wall irregularly and over on large archway. The roses were arranged in clusters of from six to nine, and numerous rose branches were arranged at conspicuous points. The smilax foliage resembles the rose so much that when the job was completed it looked like an immense climbing rose.

Another novelty used here recently was an effect in a dining room produced by a large apple tree branch fastened on sideboard and suspended part way over table. It was made by taking a branch of willow tree stripped of its foliage and a number of red apples tied on. Foliage was made of pieces of Alabama smilax. It was easily made and pleasing. The largest decoration lately was the annual ball and reception of the Deutcher Club. The striking feature here was the arrangement in center of floor. Six immense palms were clustered, reaching six feet high, and under these were smaller palms which covered the boxes. Growing out from between the palms were thirty-six chrysanthemums plants, with large flowers made of tissue paper with an incandescent light in each. They were pink and yellow.

CLINTON, MO.—The engine and boiler room, also one end of greenhouse, belonging to Mr. E. A. Barnhart, were recently destroyed by fire, the origin of which is not known. Unfortunately Mr. Barnhart carried no insurance.

Keeping Canna Bulbs During Winter.

In answering inquiry of H. H. K., "How to Keep Canna Bulbs During the Winter," will say as good a place as can be had around most floral establishments, is under the benches, first placing boards raised one or two inches above the soil, (or the dampness of the ground will start them into growth). We keep our large stock of cannas in this way, until about March 1, when we divide up and start them into growth. Avoid benches which are used for pot stuff, as in watering the drip is very apt to cause rot. Also avoid warm houses; carnation houses are just the right temperature for them. If you find they are drying out too much and inclined to shrivel, sprinkle a little damp soil over them.

JAS. S. WILSON.

Jardinieres, Pots AND Pedestals



ADAPTED TO

Florists' Use.

Artistic Shapes and Decorations.

Write us for Illustrations and Prices.....

BURLEY & TYRRELL, 42=44 Lake St., CHICAGO.



FANCY DAGGER

HARDY FERNS

WARRANTED FIRST QUALITY.

SPECIAL ATTENTION PAID TO SUPPLYING WHOLESALE DEALERS.

Write for Prices.

—ALSO DEALER IN—

BOUQUET GREEN, SPHAGNUM MOSS, CHRISTMAS TREES,

Etc., Etc., Etc.

L. B. BRAGUE, - Hinsdale, Mass.

☞Oldest, Largest, and Most Reliable Dealer in the United States.



Grand New Lily of the Valley.

Convallaria Majalis Alba Grandiflora. "Fortin Variety."

First Class Certificate R. H. S. of France.——Award of Merit R. H. S. of England.

Worth Your Notice

THIS Grand New Lily of the Valley, which we are now able to offer in large or small quantities, is **twice the size and substance** of the best strain of the Berlin variety. From the photo reproduction herewith it will be seen as photographed side by side with first-class Berlin stock. The foliage is particularly robust, and the flower spikes equally so, averaging 1 ft. in height; the individual bells are quite double the size of the ordinary variety, of purest white, and **average at least 18 to 20** on a spike.

☞American growers who anticipate growing their own Valley should begin with our 1 year planting crowns of Fortin's.

Strong Flowering Crowns. **$3.00** per 100; **$25.00** per 1000. Strong one year planting crowns, **$5.00** per 1000; **$40.00** per 10,000. Special prices for large quantities.

LAXTON BROTHERS, Bedford, England.

TERMS—Cash with order or London reference.

The Public Likes to be Humbugged.

This was clearly proved at an auction sale of plants in this city. The plants in question belonged to the Japanese Tea Garden the great and popular attraction of Atlantic City. The sale was liberally advertised in the daily papers, and thousands of very neat and attractive catalogues printed on the finest paper, well bound, and illustrated were distributed Some of the most attractive and rarest specimens were exhibited in the show windows of the salesrooms and as a result a very large and refined company of purchasers were present—more than could crowd in the rooms notwithstanding the unpleasant rainy weather.

The plants offered were undoubtedly direct importations from Japan and all were planted in Japanese porcelain pots of quaint and unique design. The variety was not great. Latanias, cycads, magnolias, camellias, rhaphis, bamboos, oranges, ferns, ardisias and quite a number of dwarfed pines. The latter were the greatest attraction by all means and no doubt the high prices they realized helped the sale of the commoner plants materially.

Dwarf pines 8 to 12 inches high, brought all the way from $4 to $30 each according to age. It was a case of "any old thing will do" as they certainly brought the highest prices. Several specimens measuring 2 to 3 feet across brought $60, $80 and as much as $85 and these were cheap compared with the ordinary "stuff" such as bare legged camellias (15 years old?) worth perhaps 25 cents, but which, planted in a 50 cent pot brought readily $2, $3 and $4; ardisias (7 years old?) which could have been had anywhere for 30 to 50 cents brought the same price; a cycas with 6 to 8 small leaves $8; a few scrawny tea plants bunched in one pot $10; small clumps of bamboos (20 years old?) $16; tree fern, stem 1 foot, 3 leaves, (15 years old?) $9, which I put down as being worth $2 pot and all. Small clumps of ophiopogon which many a florist would gladly have sold for 50 cents or less brought $5 to $8. Any quaint little pine, rambling shrub, long legged rhaphis, stunted bamboo providing it was said to be "10 or 30 years in pot (and they were all said to be as old or older) brought 5 to 10 times its actual value.

It must be admitted that the show was nicely and attractively arranged, miniature gardens, here and there, neat bamboo etageres holding tiny pots of one-half to two inches planted with little ferns and other small plants; clumps of rocks holding ferns and bamboos, placed in flat square pans filled with water. Designs of well and water bucket (the well holding gold fish, the bucket filled with blooming primulas) all helped to attract the crowds. The pots themselves were a great attraction. "There'll be a time some day" when there will be some subdued "blessing", when the pines will shed their verdure, when the camellias will "not" bloom and the oranges will sour!

What does seem provoking is that, a few blocks away fine specimen plants of the same class in fine healthy condition could have been bought for one-fourth to one-half the prices paid at this sale, and thousands of people would pass them by without even glancing at them. It appears to be altogether a question of advertising. But then the public will be humbugged and it will ever be thus.

Philadelphia. A. B.

Another Yellow Sport From Jerome Jones.

Mr. Henry C. Smith, of Grand Rapids, Mich., sends us a bloom which is stated to be a sport from Mrs. Jerome Jones. It is a little brighter and livelier in color than the other sports of this variety which have come to our notice and is really a very pleasing flower.

Catalogues Received.

H. Bayersdorfer & Co., Philadelphia, florists' supplies; F. W. Bird & Son, E. Walpole, Mass., Neponset flower pots; W. Atlee Burpee & Co., Philadelphia, Pink Cupid sweet pea; Parry's Pomona Nurseries, Parry, N. J., fruits, trees and plants; August Rolker & Sons, New York, florists' supplies; Jos. Heinl, Jacksonville, Ill., seeds, bulbs and plants; Rossville Greenhouses, Rossville, Ill., floral designs, cutflowers, plants; Frederick Roemer, Quedlinburg, Germany, novelties in flower seeds for 1898; Walker Fertilizer Co., Clifton Springs, N. Y., Excelsior plant food; A. W. Livingston's Sons, Columbus, O., pointers for lovers of flowers and house plants; J. C. Schmidt, Erfurt, Germany, novelties for 1898; Haage & Schmidt, Erfurt, Germany, novelties in seeds; J. C. Suffern, Voorhees, Ill., seeds; H. G. Faust & Co., Philadelphia, florists' supplies; John A. Scollay, Brooklyn, N. Y., hot water and steam warming apparatus; Sunset Seed and Plant Co., San Francisco, Cal., bulbs, seeds, plants, nursery stock; Herb & Wulle, Naples, Italy, seeds and bulbs; Dammann & Co., San Giovanni, near Naples, Italy, orchid-flowering cannas; Kennicott Bros. Co., Chicago, cut flowers, Christmas greens, etc.; A. Blanc, Philadelphia, New American cannas for 1898.

Seasonable Now.

December Circular *free.*

HOLLY....

Our XXX Brand
The Good Kind

None too plenty this year, therefore immediate ordering is advantageous to you. **Per Single Case $4.75.** Special on quantities. We can also supply **SOUTHERN or competition stock,** but the old saying "*The best is the cheapest in the end*" applies forcibly to this article.

Bouquet Green....

Best grade; price low. Write or wire for latest quotations on Crate or Carload. We can positively save you money on this.

Evergreen Wreathing uniform in size.

We manufacture this ourselves from finest "Indian picked" green.

	Per 100 yds.	Per 1000 yds.
Light	$2.50	$23 00
Medium	2.75	25 00
Heavy	3.25	30.00

Holly Wreaths....

	Doz.	$1.50
	100	11 00
	1000	97 50

Evergreen Wreaths

	Doz.	$1.10
Decorated with red or yellow Immortelles.	100	7.00
	1000	67.50

Mistletoe 10 lbs. $1.75; 25 lbs. $3.75

LILY OF THE VALLEY PIPS.
"PREMIUM" fancy stock. 100 $1.50; 1000 $12.25
"INTERNATIONAL" 100 $1.35; 1000 $10.00

TUBEROSES. True Excelsior Pearl. "Hallock strain." First size. 100. $1.25; 1000, $8 00

14 Barclay Street, NEW YORK.

Speaking about **FLORISTS' SUPPLIES,** we have been tinkering away at this line of work ourselves for about 20 YEARS. We ought to be able to sell you by this time, don't you think? There's mighty few wholesale men who are not SPECIALISTS in this line. Suppose we let these sample PRICES TALK for Vaughan (our record tells quality).

WIRE DESIGNS.

PERFECT IN SHAPE.

Here are a few sample prices; 33 per cent off, more if you buy big.

CROSSES. FLAT.

Inch.	Price.	Inch.	Price.
8	$ 02½	20	$ 08
10	.03	22	.10
12	.04	24	.12
14	.05	27	.15
16	.06	30	.20
18	.07	33	.30

WREATHS. FLAT.

Inch.	Price.	Inch.	Price.
6	$ 03½	11	$ 06½
7	02½	12	07½
8	03½	14	.09
9	04½	16	.10
10	05½	18	.14

ANCHORS. FLAT.

Inch.	Price.	Inch.	Price.
8	$ 06	18	$ .16
10	.08	20	.18
12	.10	22	.20
14	.12	24	.23
16	.14	30	.35

Wheat Sheaves

AS GOOD AS IT IS POSSIBLE TO MAKE THEM.
20 per cent off these prices.

Flat, A, each		$ 15
" B, "		.25
" C, "		.35
" D, "		.45
" E, "		.55



DOVES....

WE PACK THEM TO REACH YOU IN GOOD SHAPE.

First-class Birds, each $1.15; dozen $12.60.

Second class Birds, each $0.95; dozen $10.50.

Sphagnum.

This is MOSS, not leaves, sticks or Cranberry Vines.

1 Bale	$1.00	3 Bales	$2 75
2 Bales	1 90	6 Bales	5 00

CAPE FLOWERS.

We carry but one grade, and that the best which the market affords.
COLORED, bright shades, per lb. $1.50, 10 lb. $14.
WHITE, per lb. $1.00, 10 lb. for $9.50.

STEMMING WIRE.

No. 24, per stone	$ 65	No. 28, per stone	$1 00
No. 26, " "	.75	No. 36, " "	1 60

No. 26 is size usually used for Evergreen winding and Holly Wreath making. Note special low price on this size.

Tin= Foil. A NO. 1 STUFF, NOT LEAD.

25 lbs.	$2 00
50 lbs.	3.75
100 lbs.	7.25

IMMORTELLES Scarlet, Blue, Yellow, Etc.

New Crop. Per Doz., $2.50.

BLEACHED WHITE PAMPAS PLUMES.
CHENILLE INSEBTICIDES
SCOLLAY SPRINKLERS SHEEP MANURE
CANE STAKES HORN SHAVINGS
TOBACCO STEMS ETC., ETC.

At lowest possible prices. Send in your list of wants for estimate.

VAUGHAN'S SEED STORE,

84 & 86 Randolph Street, CHICAGO.

Adiantum Cuneatum.

Replying to inquiry of W. J. M., Pontiac, the cultivation of Adiantum cuneatum (which we infer is the species meant by our correspondent) does not present any great difficulty, and may be briefly stated as follows:

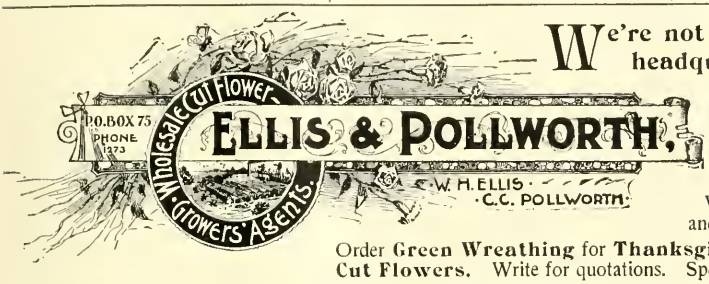
The spores should be sown in pots or pans of about six inches in diameter, said pots to be half filled with drainage material, on top of which some finely sifted soil is pressed down firmly, the soil consisting of sandy loam or peat, either answering for this purpose.

The spores are sown on the surface of the soil, and the pots should be well watered *before sowing* the spores, and they should then either be covered with panes of glass or else be placed in a propagating frame in a shaded house with a night temperature of 65°, the object being to keep them moist without further watering until the seedlings are up.

This operation having been fully described in former issues of the FLORIST, we need only say that the seedlings are pricked out in little clumps after the first frond shows, still keeping them in the shaded house, and finally when large enough to handle are potted off into thumb pots, and when well-rooted are shifted on into 3-inch pots, this being large enough for filling ferneries. If the intention is to grow them on for cutting, the best method is to plant out strong 3-inch pot plants on a side bench, that is, filled to a depth of six inches with the same compost that would be used for carnations.

The plants should be firmly planted in this bed about one foot apart, the best time to do this being April or May, and the bed should be kept moist at all times, though not over watered before the plants become established. The house should be shaded through the summer, and kept well ventilated both night and day, but during the winter no shade will be required, and a night temperature of 60° to 62° will be right.

Such a bed should give an abundance of fronds and keep in good condition for about three years, after which it would be best to renew it. W. H. TAPLIN.



We're not in the woods but we are headquarters for Bouquet Green also select grade Delaware Holly

We also ship out **perfect Palms** and **fine Ferns** at reasonable prices.

Order **Green Wreathing** for **Thanksgiving** now. Unexcelled service in **Cut Flowers.** Write for quotations. Special price in quantity.

ELLIS & POLLWORTH, Milwaukee, Wis.

CHRISTMAS DECORATIONS!

HOLLY, BOUQUET GREEN, WREATHING, PALM LEAVES, NEEDLE PINES, MISTLETOE.

SPECIAL LIST JUST OUT. WIRE FOR PRICES.

LARGE STOCK READY FOR WIRE ORDERS.

W. W. BARNARD & CO.,

186 EAST KINZIE ST., - - - - CHICAGO.

WE POSITIVELY DECLINE TO BE UNDERSOLD BY ANY RESPONSIBLE PARTY..... OUR CLAIM AS HEADQUARTERS IS INDISPUTABLE

FERNS. MOSS. GALAX. LEUCOTHOE. PALMETTOS.

Holly.

....BEST QUALITY....

Largest Stock in New England. Prices on large or small lots quoted by mail, telegraph or telephone.

GEO. A. SUTHERLAND,

67 Bromfield Street and 18 Chapman Place,

BOSTON, MASS.

When writing, mention American Florist.



PLACE HOLIDAY ORDERS NOW FOR KELSEY'S.....

Brilliant *GREEN* and *BRONZE*

...AND...

LEUCOTHOE SPRAYS

GALAX LEAVES...

(Finest Leaves and Packing.)

GALAX—Large or small, either color, per 1000, $1.00; 5000 lots, 75c per 1000.

LEUCOTHOE SPRAYS—Per 100, 75c; per 1000 $6.00. Wholesalers supplied at very special rates.

I am packing Original Assorted Cases for Florists as follows:

CASE A—5000 Galax, assorted sizes and colors, for $3.75.

CASE B—Same as Case A, and 200 Leucothoe Sprays additional, for $5.00.

CASE C—10 000 Galax, assorted sizes and colors, $7.50.

TERMS CASH—Shipments from Boston or North Carolina.

Give explicit shipping directions, otherwise I use best judgment. **Telegraph orders save time.** Order one or more cases as above, or in very large cases—Galax by thousands, color and size; Leucothoe sprays by hundreds or thousands. Samples and full information FREE. Address all communications to the introducer,

HARLAN P. KELSEY, 1123 Tremont Building, Boston, Mass.

BOUQUET GREEN.

Best Quality at Lowest Rates. We gather our own greens and bring by our own boat direct. Also **Christmas Trees.**

NORTHERN MICHIGAN EVERGREEN NURSERY,
S. W. corner Clark St. Bridge, CHICAGO.
Mention American Florist.

SEE OUR XMAS ADV. in this paper next week!

KENNICOTT BROS. CO.,
Wholesale Cut Flowers,
88 Wabash Avenue, CHICAGO.

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

DELAWARE HOLLY...

We have out of 6 000 cases 200 left, and we are going to sell them for $3.00, size 2x2x4; large cases, solidly packed and **WELL BERRIED.**

BOUQUET GREEN, $5.00 hundred.

All kinds roping made to order. Strictly cash with order. Special freight and express rates.

A LUSBY CO., 2552 N. 18th St., Philadelphia.
Please mention American Florist.

HOLLY!

Southern Smilax, Needle Pines,
Galax and Ivy Leaves, Palm Crowns,
Laurel and Pine Festooning,
Holly, Pine and Laurel Wreaths,
Moss, Hardy Ferns, Christmas Trees.

ALL GOODS FIRST--CLASS.
Ready for shipment between Dec. 13th and 18th.

WELCH BROS.,

..... 15 Bromfield Street, BOSTON.

Sharon, Pa.

Messrs. E. McConnell & Son, the carnation growers, have several seedlings which from present indications, look very promising. One designated as No. 2A. is a cross between Lizzie McGowan and Lizzie Gilbert. It is white, with a pink center, a free and strong grower, requiring no special treatment. As a commercial flower, Mr. McConnell thinks it will be just the "thing." No. 2A has been tested two years. Another one designated as No. 5C is a cross between Scott and Daybreak and while possessing the merits of its parents, it shows some splendid features of its own, chief of which is its tendency to surpass either in size. The color is somewhat lighter than Scott.

Mr. John Murchie's red sport from Tidal Wave, looks very promising and there are reasons to believe that the "long felt" want for a good red carnation may soon be filled.

The recent ball given by the Acorn Club, an organization composed of the 400 of Sharon, was an event of unusual social prominence. The Ashton Hall, one of the finest structures in town, was most elaborately decorated, American Beauties, chrysanthemums and orchids having been used to splendid effect. An immense acorn, composed of roses and carnations, was suspended from the chandelier, lending a charming effect to the general surrounding. Mr. I. M. O'Brien, the veteran florist, had the decoration in charge and it is needless to add that whatever he undertakes he executes in the best possible way.

HOMO.

Nashua, N. H.

If I were asked who of the two leading florists in town grew the best 'mums this season, I should be inclined to answer in the words of the puzzled youngster, "both were best." Evidently both Messrs. Gaedeke & Co. and Geo. Buxton know the secret of producing fine flowers and insuring good results. Their chrysanthemums were decidedly "superb," as the average school girl puts it.

Weddings galore, and of the kind that "count." Among the most noteworthy ones, I may mention that of Tolles-Bickford. The First Congregational Church presented a sight, the like of which one seldom sees in a town of this size. A bridal path of five imposing arches, trimmed with laurel and smilax, led from the parlor to the steps of the altar. Through this winding pathway of green the bridal party wended its way until it reached the large arch of laurel, trimmed with roses and carnations, which extended across the platform and under which the matrimonial knot was tied. Florist Gaedeke had this decoration in charge.

HOMO.

CHICOPEE, MASS.—Mrs. Dexter Snow has sold her florist business to Schlosser & Andrews, two popular young men of Chicago, the former having been in her employ for the past year. It is with regret that she leaves her life-long work, having been associated in the business with her husband for over forty years and since his death carrying it on alone. She has always done the floral work. The business has increased under her supervision and everything is left in excellent condition for her successors.

AN 1898 CALENDAR bedecked with FLOWERS AS THEY GROW, and not as artists try to Draw them.

"Art that itself is Nature."

A SAMPLE SET of LONG'S NEW FLORISTS CALENDARS mailed for only 20 CENTS IN STAMPS.

The prettiest office ornament yet seen for the new year.

Address DAN'L B. LONG, Publisher, BUFFALO.

Our 1898 DIRECTORY.

We are now at work on a corrected edition of our Directory and Reference Book which will be issued promptly on February 1, 1898. The list of those in the trade will be corrected up to date and the A. B. C. lists of Roses, Chrysanthemums, Carnations and Cannas will be carefully revised to include all new varieties, by men who are authorities on such matters. Valuable reference matter will be added, with other features. The advertising pages will be handsomely embellished, and add to the attractiveness of the book. Rates for this advertising on application.

AMERICAN FLORIST COMPANY,
324 Dearborn Stseet, Chicago.

Physalis Alkekengi and Franchetti.
(*Winter Cherries.*)

The past season must have suited these plants to a dot, for we never before had such a profusion of bright pods on them; two and sometimes three were produced on each growth, a thing which seldom has happened in other years. The dry weather in August and September favored the setting of the flowers I think, for we have not attempted to give the plants different treatment from that of other seasons, and for several years they have been in the same place, growing and flowering freely each summer.

Generally we had a good showing of bright pods and they were admired, as they deserved, but this fall's crop was so abundant that it deserves to be mentioned. Especially the newer and larger-fruited variety, P. Franchetti, had a very fine, highly-colored calyx, and they are now on the vines, although the frost has spoiled all the foliage. If these plants can be relied upon to fruit as freely as they did this year we should certainly introduce these largely everywhere for fall effect; vivid colors are most welcome in the borders at this time.

They belong to the solanum family and are not fastidious as to the treatment they receive, are perfectly hardy, increase rapidly by underground runners, each one of which will make a good plant if separated from the old stock, but unless stock is to be increased we think it advisable to let the plants alone for some years because old plants invariably flower more freely, though it may be questionable whether all these flowers set fruit or not.

A dry and sunny situation seems to suit them best, for formerly we had them in a lower place where a mass of foliage was the principal show they made and growth was taller there than in their present quarters. About 12 inches is their average height, and the calyx, enclosing the berry, varies in size from 2 to 3 inches in length by 1 to 2 inches in diameter. J. B. KELLER.

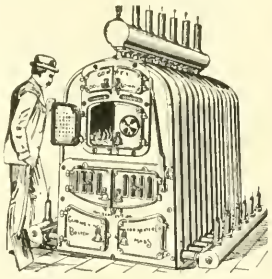
PHYSALIS FRANCHETTI.—A good deal has been written lately about this, and it appears as if some people had found a difficulty with it. I can quite believe that in some cold soils and situations there might be a difficulty about it, but in most places where the soil is light it is easily grown. I am not quite sure that it will be such a weed as the older form, Physalis Alkekengi; this will be no disadvantage. This new Physalis, which is distinct in color from the older species, will be found very useful for winter decoration, and in most parts of our islands it will be found a hardy and easily grown perennial.—*English Exchange.*

[Seed of Physalis, catalogued as Chinese lantern plant, was extensively advertised last year.—ED.]

Plant Pots
....AND....
Pedestals.

New shapes and colors from the best Potteries of England, France, Germany, China, Japan and America, we dare say the largest, most valuable and comprehensive exhibit to be seen on this continent; all sizes and values, from the low cost up to the large and very large old Blue Canton China palm pots; also the best things from Minton, Doulton and Wedgewood. Values from 25 cts. up to $150 each.

WHOLESALE AND RETAIL.
JONES, McDUFFEE & STRATTON CO.
China and Glass Merchants,
(Seven Floors) 120 Franklin St., BOSTON, MASS.
JEROME JONES, Pres. S. P. STRATTON, Treas.



New York City Branch:
48 Centre Street.

Gurney
Trade Mark.
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It lowers the vitality of your stock, but write for particulars of my tempering Apparatus.
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Washington.

The florists of the city met lately and organized the Commercial Florists' Association of Washington, D. C. After the adoption of a constitution and by-laws the election of officers resulted in J. R. Freeman being chosen president; Robert Bowdler, vice president; John Boyle, secretary, and C. F. Hale, treasurer. An auditing committee, consisting of J. H. Ley, G. Henson, and J. R. Morgan, were appointed by President Freeman. It was unanimously agreed that the association should meet every second and third Tuesdays during the month.

The association has for its purpose the uniting of florists throughout the city in an effort to put a stop to the free distribution of cut flowers by the government. They will arrange to have petitions sent to Congress asking that such legislation as is necessary to put a stop to this practice be passed. From the tenor of the addresses last night it is quite probable that if redress cannot be obtained from Congress within a short time the courts will be appealed to and asked to grant an injunction restraining government officials from distributing the products of greenhouses.

The florists claim that if the government will stop this distribution they will raise the wages of their employes from 10 to 25 per cent. Several labor organizations will doubtless have committees present at the next meeting of the association in order to investigate the justice of their charges.

Greenfly and how to make a Hotbed.

I have a small greenhouse of mixed plants which I must keep free from aphis without fumigation if possible. So far I have used weak tobacco water for syringing and also tobacco dust. I have carnations and violets at one end and smilax and maidenhair ferns at the other. Please tell me how to do this. Can you also give some instructions about hotbeds and the growth of lettuce? I. E. B.

Massachusetts.

Dusting the plants and syringing with tobacco water are both effectual if thoroughly done, but are somewhat unsightly, especially on plants in flower. If you syringe them use the "Rose Leaf Extract" diluted in fifty times its bulk of water. You will find it much more readily made and effective than the home made article. Another plan to keep down fly, which is better than either, where smoke is not permissible, is what I may call "steaming." Into a tin or iron dish (I use pie dishes), put a quart of the liquid mixture, one part of the extract to 10 of water. Into this drop a piece of red hot iron (if you don't have that, a brick heated will do); the vapor that arises will kill the fly and will not injure the most tender plant or even be very disagreeable to your nose. Where steam is used a more expeditious plan is in vogue but where hot water is the system of heating this steaming system is an excellent one.

Hotbeds are of little use in Massachusetts or north of it before beginning of March. The most economical way to use hotbeds is to dig out a space two feet deep and the length and breadth desired. The bottom should be either naturally drained or drainage provided for. When two feet of properly prepared material is filled in and well trodden down, the heat will last a long time. There is little exposure for the cold to attack. But if this is not convenient a hotbed can be made on the surface; the deeper and wider, if well made, the longer the heat will last. The trouble with most of these primitive hot houses is that the material is wrongly or carelessly prepared. Stable manure, where straw is used for bedding, is the usual material and there is nothing better, but it should not be thrown on in big forkfulls, when very fresh, lightly trodden down and expected to hold any length of time, it will heat violently for a week or two and then quickly cool.

I have told you how *not* to do it, now how to do it. Stable manure with one-fourth spent hops from a brewery is an excellent mixture. Whether the material is procured all in one day or it is the accumulation of two weeks it should be turned over at least once and thoroughly shaken up before being made into the bed. If allowed to run itself out in a pile before making into the bed, the less heat you will get afterwards. When forming the bed, which if on the surface should be 18 inches wider and longer than the frame, spread thin layers of the manure evenly and keep well firmed down by walking over it. If the material is dry have the hose near and every 5 or 6 inches of depth give a good heavy sprinkling. Keep on on adding material till you get the desired height, which for an early bed should not be less than 30 inches. After the frame is put on the same material should be banked up to the height of the frame. In 4 or 5 days a strong heat will take place and in 2 or 3 days more you can put on your soil for plants, seeds or plunging material.

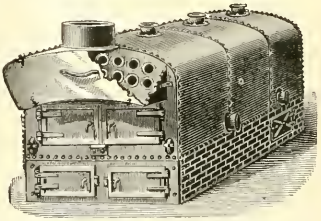
Lettuce wants a good rich, light soil and plenty of ventilation. Water in the morning when it will dry up soon and kept free of aphis. WM. SCOTT.

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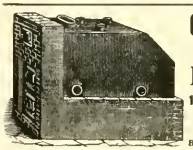


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Onions.

Our howling poet has been at it again. This time it's the "Onion Club." There's a "Potato and Herring Club" in London but Philadelphia is unique in having an "Onion Club." It's the first of its kind, I believe, and its fragrance permeates the atmosphere here in all directions so that poets, philosophers and florists must all take cognizance perforce. To waft the delectable and odiferous exhalations to less favored localities the onions could not have selected a better than our poetical friend, James D. Law. Onion prices are stiffening up a bit. When the seedsman meet to celebrate this agreeable state of affairs this will be a good chorus for the occasion. G. C. WATSON.

FOR THE SEMI-OCCASIONAL BANQUET OF THE ONION CLUB.

"It's a fine thing, an Ingan."

If Tennyson had nerve to sing
"The Lady of Shalott,"
Why should we all unlauded fling
The Onion in the pot?
"The rose of roots" it has been styled,
And, everywhere around,
In all degrees, from strong to mild,
It's in good odor found!

CHORUS.

The Onion forever! Huzzah, boys, huzzah!
Take it as it suits you—pickled, cooked or raw,
Of all Dame Nature's esculents I'm sure we never saw
The better or the equal of the Onion!

THE ONION CLUB! While I shall sing
Its praise with all my heart,
Could I but to my subject bring
Rare Howlett's ready art;
Or, in my stanzas intersperse,
To help along my Muse,
Some honied lines from Phillips' verse,
The theme might get its dues!

CHORUS.

THE ONIONS forever! Huzzah, boys, huzzah!
Take them as you find them—polished, plain or raw,
They're such a happy, jolly lot, I'm sure we never saw
The betters or the equals of THE ONIONS.
JAMES D. LAW.

MEMPHIS, TENN.—The Magnolia Floral Co. has changed hands, Mr. Sollye renting the place and buying the stock. Otto Schwill is building greenhouses preparatory to entering the business next spring. Mr. Schwill is one of our leading seedmen. Our city is preparing to extend its limits and improve generally. The people are in good spirits and trade promises to be good, for we don't expect an overflow of the river nor the yellow fever and every florist here has his business better in hand than for many seasons past.



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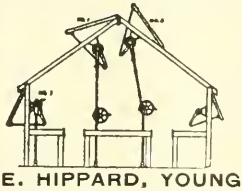
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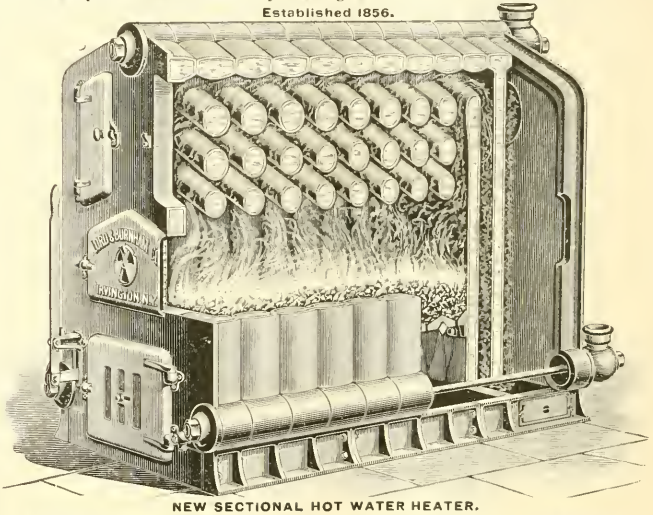
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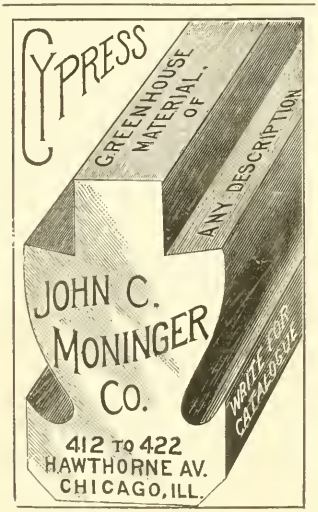


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Annual Convention at Chicago, February 17 and 18, 1898. ALBERT M. HERR, Lancaster, Pa., Secretary.

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HOLIDAY TROUBLES.

The time is about here when there will no doubt be more or less said of the bad effects on business by the rapid advance of prices in the cut-flower trade.

From the consumers' point of view, it does no doubt seem strange that the cost of flowers should advance one hundred or more per cent. in a few days. The majority of buyers cannot understand it and the retailer has not the time or inclination to explain except in cases of a few favored customers. He knows all the flowers he has will be sold at a good price and is very often more independent than is necessary. The people who are steady or regular buyers are beginning to appreciate the question of supply and demand at the holiday season, and therefore expect an advance in rates, but there are hundreds to whom the radical change seems entirely uncalled for, and to these, in fact to all, due notice should be given of the probable increase in prices by speaking about the matter whenever the opportunity may occur, and in no case take a Christmas order without a thorough understanding as to prices unless you have a good knowledge of your customer.

The whole question is, of course, one of supply and demand, and always will be so, no matter what may be said or written about it. But the interests of both the retailer and grower are at stake when the consumers of flowers are dissatisfied, let the cause be what it may; therefore they should work together to give the best possible service at these times.

The Christmas trade, for several reasons, is a hard one to handle, both for retailer and grower. The grower is expected to have for each store, triple or quadruple the amount of flowers he has been selling them previously, and, at the same time, must have them fresh. Should he not serve the full amount ordered or promised, he is accused of giving them to a more favored customer, when the chances are he has divided up his stock as equally as possible, and is short because of cloudy days or warm weather, when flowers will not keep after being cut, or so cold he could not bring them forward as fast as expected.

Every year there are public complaints of growers or their agents sending stale flowers when filling Christmas orders, such flowers, it is said, often being entirely unfit for use. That there is cause for such complaints is unfortunately true, but no grower should intentionally send such stock. It may at times be accidental, for it is not always possible to tell the condition of flowers after they have been kept for several days, but he is in a much better position to judge them than the buyer, as he knows when they were cut and what their surroundings have been since, so he should examine them carefully before shipping. When he secures the increase in price demanded at these times, he is in duty bound to send reasonably good stuff, and sell the poorer quality for what he can after calling attention to its condition

The storekeeper also has his troubles at this time. He must get a lot of extra help, most of them quite new in the flower-selling business, so more destructive of stock and less likely to give satisfaction to customers. His stock costs more, and some of it poor in quality, also the chance that he may not be able to get enough. It may get very cold, making delivery difficult, unless packing is done very carefully, and this, when the wrapping department is in the hands of new men.

But in spite of all the trials and troubles, both producers and distributors are generally well pleased on account of the profits they realize. To keep on getting these profits they must be careful not to kill the goose that lays the egg.

Let the grower be careful to send only such stock as can be safely recommended to a lady or gentleman, and he will not hear so many complaints from the retailer about exorbitant prices. Then if the retailer will use equal care to see that his customers get good service, and be satisfied with the usual profit on his medium stock, without asking one hundred per cent. on every fallen petal, I do not believe we need fear any bad effects on the business from the high prices at Christmas.

Chrysanthemum Forecast for 1898.

Below we give our readers a summary of the chrysanthemum situation and a forecast for 1898, as to commercial varieties, from the point of view of the men who buy the plants and grow them for flowers, of the men who wholesale the flowers and of the retailer who disposes of them to the public. The gentlemen who make these reports are to be understood as giving their own experience, gained through actually growing or handling the varieties in question and uninfluenced by any personal interest in the success or failure of any particular variety.

It is evident that the demand in the different cities varies greatly as to varieties and the grower will do well to give especial attention to the reports from the market for which he grows.

NEW YORK GROWER.

Mr. Eugene Dailledouze states that Niveus, Marion Henderson, Viviand-Morel and Mrs. Perrin are likely to be grown sparingly by next season.

The following well known varieties will still be largely grown: Mrs. Robinson, Ivory, Mme. Bergmann and Merry Monarch, white; Major Bonnaffon, Modesto and Lincoln, yellow; Maud Dean, Mrs. S. T. Murdock and Pink Ivory, pink; Geo. W. Childs, Cullingfordi and John Shrimpton, crimson.

Of the introductions of 1897 likely to be largely grown, he names: Western King, Evangeline and Mrs. Martin A. Ryerson, white; Golden Trophy and Mrs. John J. Glessner, yellow; there being no pinks or other colors of special promise as advances on old sorts. He declines to specify any 1897 introductions as failures, as it will take another year to find out (and he might also offend); but of the entire list of introductions of 1897 a large proportion will never make any permanent impression. He qualifies the entire above statement to the effect that varieties give different results with different growers and that his neighbors would undoubtedly list differently.

NEW YORK WHOLESALERS AND RETAILERS.

Among the wholesale cut flower dealers in New York City but little attention is paid to *names* of varieties. Blooms are now sold simply on their quality. If they are fine flowers and the price is cheap enough they find a customer and the name is of no interest. White and yellow varieties have found the most ready sale this season. Among those that seem to have pleased are Mrs. Robinson, Golden Wedding, Major Bonnaffon, Evangeline, Glory of the Pacific, Ivory and Pink Ivory; but the knowledge of these names comes through contact with the growers, rather than through their relations with the retailers who care nothing for the name of a flower, if only it has the color, size and stem they require.

The retailers endorse the above. They say that the former curiosity regarding eccentric forms and freaks and interest in special names no longer exists among the buyers. Their own contact with the chrysanthemums extends over but a brief period, not sufficiently long for them to become familiar with varieties, whereas the grower in his months of association with the different names learns them by heart. There is a demand for some good pink sorts that will have more brilliancy of color and decided character than anything yet offered.

BOSTON GROWER.

Mr. Alex. Montgomery, of Natick, Mass., suggests the following old favorites that will be dropped for next season: White, Minnie Wanamaker; yellow, Minerva; pink, Ermenilda; other colors, Robert McInnes.

These old varieties will still be largely grown: White, Mrs. Jerome Jones; yellow, Modesto, Major Bonnaffon; pink, Viviand-Morel, Maud Dean; other colors, John Shrimpton.

These introductions of 1897 will be largely grown: White, Evangeline; yellow, Golden Trophy; pink, Symphonia; other colors, Charles Molin, Defender.

The introductions of 1897, which have proved failures are white, Dorothy Devens, stem out of proportion to flower; yellow, Gold Standard, weak neck; other colors, Sunstone, not decided enough.

Of the new seedlings to be introduced in 1898, Frank Hardy and Pennsylvania are likely to find a permanent place.

BOSTON WHOLESALER AND RETAILER.

The list of varieties enjoying any special popularity with wholesale and retail trade is very limited. Major Bonnaffon, Ada Spaulding, Mme. Bergmann, Mrs. Perrin, Geo. W. Childs, Minnie Wanamaker, Ivory and Pink Ivory comprise about all that can be named in such a list. If the flowers offered in the market by a grower are of good and regular size the stems stiff and the foliage well up to the flower, the trade will buy them, but care nothing about the name under which the stock was grown, the above listed varieties only from their long-keeping qualities, having made a permanent impression.

Of the old favorites of 1889, Lincoln is the only one now found in the market and of '90–'91, Minnie Wanamaker, Ada Spaulding and Mme. Bergmann alone are left.

CHICAGO GROWER.

Mr. C. W. Johnson states that of the older varieties Viviand-Morel is too variable in color, Mrs. H. Robinson gives too small a percentage of perfect blooms (Ivory if propagated early and grown 7–8 inches in diameter being much more profitable); Bergmann and Merry Monarch will be dropped.

The older varieties which will be largely grown are, in yellow, Yellow Queen (there is no good yellow till this comes in); H. Hurrell, Bonnaffon (no other yellow wanted when this can be had); Modesto (moderate quantity only, as the weak stem is a little against it); Dailledouze (same qualifications as Modesto); Golden Wedding (in the hands of careful growers only will it succeed) and Clara Goodman.

Very late varieties do not pay enough additional to make up for the extra use of the glass. The old white varieties to be retained and grown largely are: Ivory (if propagated early and grown to the limit is the most profitable 'mum after Jones and Bonnaffon); Mayflower, well liked and Mrs. Jerome Jones still the best and most profitable of any color.

Much is still to be desired in pink—it is largely a choice of evils. Mrs. Perrin from crown buds, Mrs. Murdock and Maud Dean will be grown for want of better. Pink Ivory has everywhere sported white again. A few Drexel, Childs and Chas. Davis will be grown.

Of the 1897 introductions, a few Midge may be grown for very early (good flower but too much foliage); Mrs. Glessner (moderate quantity, must be cut before fully developed or will fade); Western King (caution to be used until we see whether it gains in vigor); Maud Adams, Sunstone (moderate quantity) and Mrs. C. H. Weeks (fine flower but a little soft).

The following 1897 novelties, while not especially bad, are not *good enough*; Evangeline (fine growth and beautiful bloom but spots and drops it's petals) Mrs. M. A. Ryerson (not valuable commercially); Defender, Elvena (too small).

Of varieties to be introduced in 1898 the following are promising: Autumn Glory, Solar Queen, Wm. H. Chadwick, Mrs. C. H. Peirce, Frank Hardy. Pennsylvania as shown here was a beautiful thing but Philadelphia, from which it sported, never has been a success here.

Mr. Geo. Stollery says the following old favorites are to be dropped: White, Mrs. Henry Robinson (to a large extent), Vanoma; yellow, Modesto, Sunclad; pink, Mrs. S. T. Murdock; other colors, Mrs. A. J. Drexel. And these are to be largely grown: white, Ivory, Mayflower, Mrs. Jerome Jones; yellow, Yellow Queen, Major Bonnaffon, Golden Wedding, Liberty; pink, Miss Agnes Dalskov, Maud Dean, Viviand-Morel, Mrs. Perrin, Chebeaque.

These introductions of 1897 will still be favorites: white, G. S. Kalb, Mrs. Henry Weeks, Mrs. Martin A. Ryerson, Lorna Doone; yellow, Maud Adams, Mrs. J. J. Glessner, Mrs Withers (limited); pink, Elvena, The Times, Merula; other colors, Sunstone.

The following introductions of 1897 have proved failures: White, Mrs. Harry Toler, too long neck: Dorothy Devens, too small· Western King, poor growing qualities; Evangeline, small, spots, drops petals; yellow, West Newton too small; G. B. Morse, too small; pink, G. F. Atkinson, poor color and long neck; other colors, Defender, small, poor color.

Of the new seedlings to be introduced in 1898, was favorably impressed by these: white, Snow Queen, Wm. H. Chadwick; yellow, Solar Queen, Mrs. C. H. Peirce; pink, Autumn Glory; other colors, Black Hawk.

CHICAGO WHOLESALERS.

Kennicott Bros. Co. submit the following:

Market for all you can grow: yellow, Golden Wedding, Major Bonnaffon, H. L. Sunderbruch, Modesto; pink, Maud Dean, Mrs Murdock, Mrs. Perrin, Viviand-Morel; white, Ivory, Western King, Minnie Wanamaker, Mrs. Jerome Jones, Mayflower.

Market for a fair quantity: yellow, Golden Gate, Mrs. J. J. Glessner; pink, Lady Playfair; red, Geo. W. Childs, John Shrimpton, Mrs. Drexel; white, Mrs. Robinson; bronze, Chas. Davis.

Market for a few, some are new varieties: yellow, Lincoln, Pennsylvania, Eugene Dailledouze; white, Frank Hardy; pink, Mrs. Higinbotham, Autumn Glory, Mrs. Allerton. They do not advise the growing of many varieties.

Vaughan, McKellar & Winterson condemn Mrs. Robinson, Mrs E. G. Hill and Dailledouze. Of the older varieties they recommend Wanamaker, Ivory, Jones, Mayflower, Niveus (moderate quantity) in white; Lincoln, Modesto, Bonnaffon, Yellow Queen, yellow; no good pinks but Viviand-Morel, Maud Dean and Perrin are best. Drexel and Childs, crimsons can be sold in *quantity*. Evangeline drops its petals. Frank Hardy looks promising.

The Illinois Cut Flower Co. condemn Merry Monarch, Yellow Monarch, Dailledouze, Wanamaker, Modesto, Yellow Queen and Sunderbruch; they advise growing Mayflower, Mrs. Jerome Jones, Lincoln, Ivory, Robinson (where can be well done) Bonnaffon, Perrin, Murdock and Maud Dean and say that Evangeline is not a good shipper

Bassett & Washburn (growers and wholesalers) will drop Queen, Whilldin, Dailledouze, Yellow Monarch and Lincoln, will still grow Fitzwygram (a few), Robinson, Ivory, Domination, Mrs. J. Jones, Niveus and Mayflower, white; M. M. Johnson, Bonnaffon, Modesto (a few), Golden Wedding and Mrs. O. P. Bassett (moderate quantity), yellow; Vivand-Morel, Maud Dean and Perrin, pink; no red or bronze. Will try Autumn Glory Solar Queen, Mrs. Peirce and Pennsylvania.

Among the retailers, Mrs. J. Jones (whether white or pink) Mayflower, Ivory; Robinson (when good), Golden Wedding and Maud Dean are general favorites.

CINCINNATI GROWER.

Mr. Witterstaetter says, white, Bergmann; yellow, Yellow Queen; pink, Viviand-Morel, will be dropped.

White, Lady Fitzwygram, H Robinson, Queen, Ivory, Yanoma; yellow, Bonnaffon, Modesto, Dailledouze, Lincoln; pink, Mrs. E. G. Hill, Pres. Smith, Mrs. Perrin; crimson, Geo. W. Childs; will be extensively grown as will these introductions of 1897, white, Mrs. H. Weeks (importation), Evangeline; yellow, Golden Trophy; other colors, Chito.

Can give no information as to 1897 varieties, as very few came to his notice, but Evangeline which has not exactly been a failure nor entirely satisfactory, will be tried another season.

Of the new seedlings to be introduced in 1898 these varieties impressed him as likely to find a permanent place: Pennsylvania, C. H. Peirce, Glory of Autumn.

CINCINNATI WHOLESALERS.

H. L. Sunderbruch Co. give the following old favorites that will be dropped for next season: White, Bergmann; yellow, Yellow Queen and Kioto; pink, Marquis de Montmort and Viviand-Morel; other colors, John Shrimpton.

Old varieties will still be largely grown: White, Robinson, Queen, Ivory, J. Jones; yellow, Marion Henderson, H. L. Sunderbruch, Bonnaffon, Golden Wedding; pink, Mrs. Perrin, Mrs. E. G. Hill, Pres. Smith, Betty Fleischmann; other colors, Geo. W. Childs.

Introductions of 1897 that will be largely grown: White, Mrs. Weeks, Evangeline; yellow, Golden Trophy.

Of the new seedlings to be introduced in 1898 Pennsylvania and Glory of Autumn have pressed us as likely to find a permanent place.

CINCINNATI RETAILERS.

B. P. Critchell Sons' list the following old favorites that will be dropped for next season: White, Mme. F. Bergmann; yellow, Dailledouze; pink, Viviand-Morel; other colors, all shades not positive colors.

Old varieties will still be largely grown: White, Fitzwygram, Robinson, Queen, Jerome Jones; yellow, Bonnaffon, H. L. Sunderbruch, Golden Wedding, Lincoln; pink, Maud Dean, Murdock, Mrs. Perrin, Pres. Smith.

Of the new seedlings to be introduced in 1898, Pennsylvania, Bessie Hollis and Baroness Rothschild have impressed us as likely to find a permanent place.

About Carnations.

The carnation has been so ably written up for the AMERICAN FLORIST that it would seem difficult to add anything new to the subject. The papers contributed must have been of the greatest value to the general grower, judging by our own appreciation of them, and yet there are still unsolved problems before us, and still we acknowledge a "long felt want" which has not yet been supplied.

Run over the most popular varieties in the different colors and we are led to exclaim "none is perfect, no not one" unless it be Scott which is admitted to have fewer faults than any other variety extant, and yet paradoxical as it may seem, its most valuable characteristic—its easy management—often works directly against it as a moneymaker. Every grower, with little pains, can do it well, and in its season whole acres of it are dumped upon the market, and almost instantly its value depreciates with its over abundance. Every commercial grower must foresee this fact in balancing up his stock, or he will have the fact forced upon him later by a serious loss of money.

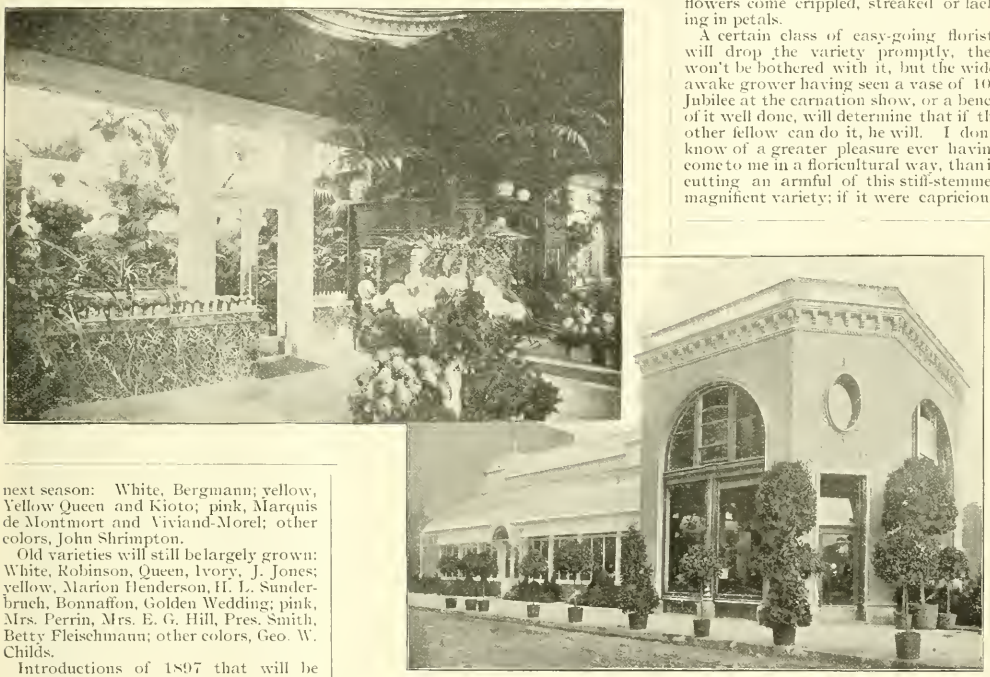
With the retail grower, who supplies his own home trade, the case is different, and for a long time to come, Scott will be his staff-of-life among carnations.

Daybreak is grand "if" only it did not rust; yet a great many growers who had thrown it out, are again buying it in, since the trade at large are learning how to hold the rust at bay. In rooted cuttings, good clean stock of this variety ought to bring about $25 per 1,000, for it is none too free in throwing cuttings, and only at this price can the grower make any profit if he selects his cuttings carefully. The same is true with Jubilee, though this variety is easy to free from rust when its requirements are known. It likes a good stiff soil; much more so than any other variety of our acquaintance, and requires systematic and regular feeding after once it comes into growth and bloom. The careless and unobservant florist will never make a success of this grand variety any more than he will of American Beauty rose.

The close observer will note the heavy "bloom" on the foliage as long as growth is going right—will note the roots like white silk threads coming to the surface—the heavy broad foliage and the large full flower will tell him that nutriment must be leaving the soil rapidly to supply the same, and a light but rich top-dressing will be given, neglect or delay this, and flowers come crippled, streaked or lacking in petals.

A certain class of easy-going florists will drop the variety promptly, they won't be bothered with it, but the wide-awake grower having seen a vase of 100 Jubilee at the carnation show, or a bench of it well done, will determine that if the other fellow can do it, he will. I don't know of a greater pleasure ever having come to me in a floricultural way, than in cutting an armful of this stiff-stemmed magnificent variety; if it were capricious, and scant in bloom. I would not persuade the trade to persist in its growth, but its grandeur of size, color and stem combined with its freedom, make it more than worth while. Grow it in a pure dry atmosphere, select your cleanest cuttings, start it as early as convenient, study its requirements it will pay you handsomely; opinions differ as to field planting versus indoor growing, but with us we prefer the latter for Jubilee.

From present indications Mayor Pingree is the most promising yellow. We like its general way of behaving itself, and the flower is very beautiful both in form and color. Our plants were late and small when benched, which makes it late of course in blooming, but we shall



STORE OF THOS F GALVIN, BOSTON—INTERIOR AND EXTERIOR.

not charge this fact up against the variety.

We certainly have not "hit it" with Harrison's White; this variety made very strong growth in the field, and was one of the best looking, when brought in, but it is very susceptible to rust (which we have never seen on Scott); and the flowers, very freely produced, are still almost single; we would like to hear from other growers, for the writer saw this in elegant condition last January at Mr. Harrison's.

Mrs. Bradt is a beauty; in our soil it comes with a good stem which on first seeing it last year, we feared would be its only drawback, for it takes a stem of iron to support so large and heavy a bloom. Our soil contains considerable lime and this we think is a help in the direction of a good stem.

The careful handling given Flora Hill both in growth and propagation last year ought to tell in its favor this year, if only the same care is exercised now that it is in other hands; the great danger to the variety is that the good words spoken for it will convince holders of it that it will be in large demand, and consequently nearly every grower will propagate all that he can, which is ruinous to a variety if allowed to bloom at the same time. We are not writing these notes to bolster up our variety, but we certainly do want the variety to continue a success and if we can help point the way, we shall be helping the trade at large, as well as all introducers and growers of novelties. Flora Hill is not fussy about the soil in which it grows, a little lighter or heavier seems to make no difference; we have never seen a spot of rust on it; it is a free, strong grower by nature; it is impatient of overfeeding and overwatering, the former will yellow the foliage, the latter will produce soft stems. Take off too many cuttings and you have weak stems and a burst calyx; brought in from the field it is one of the first to recover and to produce large bloom; September and October are the only months that see the stem at all weak if properly treated, and every day it is growing away from this fault until midwinter should see it at perfection—the best white, till a *better* comes along.

Victor promises well; we hear of an occasional reversion to the parent, but in our stock the percentage is very small indeed; there is every reason for believing that it will prove one of the year's successes; the color is right, and lights up at night in elegant style.

Morello is showing an exquisite color, is making nice free growth and we shall watch its freedom of bloom anxiously, also if the stem takes on stiffness as the days lengthen.

Maud Dean we have not been able to suit in its requirements; we shall try again, for this elegant fancy is too fine to give up without trying it further

Triumph is another variety that revels in a stiff clayey soil, but otherwise is easy to please, for length of stem, stiffness, size and brilliance of bloom, it is almost unapproached, and pays handsomely for space given it. One thing every grower must bear in mind, we think, no variety extant can be depended on to bring enormous flowers on stiff, long stems, continuously from October to May, yet this is what we are sighing for. We think that this type of bloom will always be found coming in crops.

A variety bearing the largest crop of 3-inch blooms to the area, and with the shortest intermission between crops, is to be the winner of the future. Go on raising seedlings, gentlemen, there is room for improvement, and novelty is still a potent factor.

In a contemporary the point system of judging novelties is still criticised and the present system set at fault, but the fact will ever remain that the most competent judges can only add up the points that are there to see, and intending growers must either take the originator's statement as to freedom, or would-be purchasers must visit and see for themselves. Suppose 200 points are allowed as a total, or suppose they are cut down to 50, where does the difference come in, except as the number required for passing slides up or down?

It has been suggested that the Carnation Society award a second grade certificate to those sorts scoring below 85. I see no particular harm to come from it, but where is the use? And it would be apt to lead to confusion, and the fact would remain that the exhibitor who missed his second grade certificate by a single point, would have a right to ask that a third grade be awarded; has not Mr. Dorner solved this difficulty in the sensible way by announcing that a variety that he is sending out scored 84 and by saying in what respect it fell short? He will not miss sales by his frankness.

The value of the certificate has been called in question; it seems to the writer that the certificate admirably draws a broad and distinct dividing line between the seedlings that show to the eye the value as summed up by the footing of the score—and those that fall short; the points of freedom and earliness only are left indeterminate. Do away with the society and the certificate, and the intending buyer of novelties has every seedling grower's pet to try, on all the points tried by the judges as well as on those other two indeterminate points. The society does nine-tenths of the work for him, and does it well. E. G. HILL.

Carnation Notes.

We are now getting treated to weather that is enough to give any grower the blues, dark, cloudy, with the temperature hovering around 34° outside, and it behooves us to use the greatest caution or it will soon begin to tell on our stock. I have always been taught to gauge the temperature inside a greenhouse according to the outside temperature, for there is a great difference between a temperature of 52° obtained by having the steam going full force and a like temperature without any artificial heat at all, and I find it better in such weather as this to keep a little steam going at all times and regulate your temperature more with the ventilators; the idea is to keep a buoyant atmosphere. At the same time, prevent any draughts. We have to aim at keeping the plant gradually working along without carrying it to extremes, either way. It is best to keep the plants drier, now, watering only when absolutely necessary, and then only in the day, so that all surplus moisture will be dried up before night.

In regard to staking your carnations—i there are many ways of doing this, and most every grower has his own device. To all appearance, the ideal is yet to be found, but if the different seedling raisers keep putting on stem at the rate found in some novelties of the last few years, we shall have to resort to the same mode of staking and tying as practiced with roses. We find now 3 feet stems, and the season only just begun We have never found the chicken-wire scheme to work at all satisfactorily with us except with stocky growers like Tidal Wave. It also makes lots of difference what kind of houses you grow carnations in. We have several houses running north and south, and in such houses it is necessary to tie each plant separately, so as to get all the light and air possible through and around each one. The best way we find of doing this is to take two lengths of wire four feet long and bend them the same as croquet arches, but square at the top. Two of these arches are used to the plant, crossing each other at the center. This gives four legs surrounding the plant at equal distances apart. Tie them with string. For very large plants the wires would need to be longer and can then be spread to any distance required.

C. W. JOHNSON.

William Plumb.

The newly elected president of the New York Florists' Club was born in Huntingdonshire, England, in the year 1850. In early youth he was apprenticed at Seven Oaks, Kent, and his capability and fondness for his profession quickly brought him forward as a gardener of recognized ability. As a journeyman at Greenroyd, Halifax, he won many awards at the local exhibitions. The first place he had full charge of was Swinton Park, Manchester, where he remained two years, and then came to America, he having visited this country for a brief time



WILLIAM PLUMB

previously, and took charge of Robert Colgate's place, and later on S. D. Babcock's estate and several other large places at Riverdale, N. Y. He now superintends the fine estate of C. P. Huntington at Throgg's Neck.

Mr. Plumb has been for years an enthusiastic worker in the New York Florists' Club, also the S. A. F., and there is no man more popular among his fellow members in both organizations than he. Fault-finding or contrariness find no place in his sunny disposition; he is uniformly cheerful under any and all circumstances, and always ready and willing to render a service when opportunity presents. No president ever came to the chair in the

New York Club with more friends and fewer critics than president-elect Plumb, and there is no doubt that a year of prosperity and advancement is assured during the coming administration.

AVONDALE, N. J.—Henry Weindheim, a well known florist of Franklin township, was found unconscious in one of his greenhouses on the morning of December 1. Before the doctor arrived he expired, heart disease being given as the cause. He leaves a widow and nine children.

manufactured goods are all provided for in the schedule and all that is required of exhibitors is that they have their goods in readiness for the judges at 6 p. m. on the second Monday in each month at the club room, and hand a list of same to the secretary.

The election of officers was the next thing on the program, and resulted as follows: President, Wm. Plumb; vice-president, Jas. M. Logan; secretary, John Young; treasurer, C. B. Weathered; trustees, A. S. Burns, W. I. Brower, J. H. Troy.

made the vase of handsome Frances Joost carnations on the exhibition table dance in unison. A vote of thanks was tendered Mr. Besold for these carnations.

Little can be said of business this week. Much bad weather has been experienced and trade shows little activity, but it is only the calm before the storm, let us hope, which is to come with the holiday season and which will fill the empty coffers of growers, wholesalers, retailers and clerks, and the horticultural press as well, with an overflowing supply of cash. A



CHRISTMAS ARRANGEMENT, STORE OF W. J. SMYTHE, CHICAGO.

New York.

N. Y. FLORISTS' CLUB.—ELECTION OF OFFICERS.—RULES FOR MEDAL COMPETITION. — ENCOURAGING OUTLOOK. — BUSINESS QUIET.—SOME GOOD ROSES COMING IN BUT MANY POOR ONES ALSO.

The meeting of the Florists' Club on Monday evening was one of the most interesting of the year. President Henshaw made a very hopeful address and the sanguine sentiments expressed seemed the keynote for the evening's deliberations. Mr. Manda came in with practical rules for the guidance of the committees who are apt to judge the exhibits which are to be brought to each meeting of the club during the coming year in competition for the coveted gold medal, and they were unanimously adopted. Cut flowers, plants, collections, designs and decorations, fruit, vegetables and

An invitation from the Dutchess County Horticultural Society was read, inviting the members to attend the annual dinner of that organization on January 5, 1898, and a vote of acceptance and thanks was recorded. An ample appropriation was voted for the use of the essay committee for the ensuing year and something interesting and entertaining may be looked for at every meeting hereafter. A proposition to copyright the essays and discussions brought out a lively discussion in which many members participated, among them being John Morris, who sailed in and fairly stampeded his listeners with his Bryanic eloquence in defense of the rights and in praise of the benefits of the public press which drew from "Jim the Penman" the oft-repeated response of "hear, hear," and from the rest of his audience enthusiastic applause which

moderate quantity of wonderfully fine specimen Brides and Bridesmaids are seen at the various wholesale establishments. Among the best are those from R. M. Schultz, which are handled by John Young. If the main stock were of this quality, a great deal of satisfaction would ensue, but the market is, unfortunately, badly overstocked with small, unevenly colored and weak-stemmed stuff that must necessarily be sold for prices that beget neither satisfaction nor pride.

Visiting New York: James Delay and Frank Haughton, Boston; H. H. Battles, Philadelphia.

HUNTINGTON, W. VA.—A. C. Daniels died of Bright's disease December 8, 1897. He started in the florist business in the year 1871 and has been ever since in this business in and about Huntington.

Boston.

BETTER GRADES OF ROSES SELLING WELL.—BEAUTIES INJURED IN HANDLING.—USUAL HOLIDAY SPURT OF RED CARNATIONS.—WHITE CARNATIONS MOVE SLOWLY.—OTHER FLOWERS AND THEIR PROSPECTS. A CARNATION EXHIBITION.—PROMISING NEW SORTS SHOWN.—VISITORS.—AN EXPLOSION AT WELCH'S.—A NEW WHOLESALE ESTABLISHMENT.

Trade continues pretty regular, although not heavy in any line, and an advance in prices of some things may be looked for within a few days. The weather has been for the first part of the week very warm and spring-like, and this furnishes grounds for the prediction by some that should a cold spell follow for the Christmas period there would be some old-fashioned hustling for Christmas flowers. Time will tell. At present there appears to be a better demand for the higher grades of roses. Big Beauties are coming well to the front; the only thing that stands in the way of their realizing cheerful prices is the very common one of careless handling on the part of packers or expressmen; for, be it understood, that most of Boston's big Beauties (in the cut flower line) come from afar, and that very few of our otherwise talented growers have solved the mystery of Beauty growing, so we must depend upon outside supply. A Beauty, be it ever so handsome to start with, is a hopeless cripple when once its nose has come in contact with the end of a packing box.

Carnations begin to show the effects in advance of the usual holiday preference for colored varieties, scarlet particularly. Thrifty growers are keeping the colored varieties on the plants as long as possible in anticipation of better prices, and without doubt they will get it, where the keeping is not overdone. White carnations have been decidedly weak for two weeks, bringing less than any other color even when of unusual excellence of quality. It is feared by some that the proportion of whites planted for this season is too heavy and that the present sluggishness in the market for them will continue through the winter. Nivea is the best all-round white coming in. The old standard for Boston, Mrs. Fisher, is grown but sparingly now and usually of inferior quality, although an occasional grower, Chas. Ingram for instance, shows it up in as good form as it has ever been seen.

Violets are in fair supply, but, with the exception of No. 1 Farquhars, $1 per 100 is the outside price they command here. Lily of the valley and Roman hyacinths move at an average pace and price, but paper white narcissus drags badly, and there seems but little room for it in the market of to-day. As to the general flower market, it might be said that all stock of good quality will be sold without difficulty for some time to come, and all conditions fail to show any prospect of a surplus or slump in any line. Plants are also finding a good demand. Poinsettias in convenient sizes are offered in good supply, and of the bright berried things such as solanums and ardisias there is also a good salable stock in sight.

The carnation exhibition under the management of the *New England Florist* at the Park street market on Saturday brought out a good attendance of the local growers to see the display, which was large and interesting. As usual, C. W. Ward showed a superb collection of the newer sorts, including Maceo, New York, White Cloud, Gold Nugget, Mrs. James Dean and John Young, all of which were in fine condition and are already familiar to most of our readers from former descriptions in these columns. The new scarlet, F. A. Blake's Bon Ton, was also shown by Mr. Ward, and its excellent color, stiff stem and other good points made a favorable impression.

Peter Fisher exhibited his new white, Morning Star, rather small, but of excellent quality otherwise, and fine fragrance. He also showed well grown blooms of Mrs. Geo. M. Bradt, Flora Hill and Mrs. Thos. Lawrence, the latter a finely formed dark pink. H. F. A. Lange exhibited Ensign, a seedling of 1894, the finest variegated we have ever seen, superb in form and marking. From Patten & Co. came well grown specimens of Edith Foster, Mrs. Geo. M. Bradt, Emma Wocher, Flora Hill, Nivea and C. A. Dana.

Other exhibits noted especially were: Empress, from Wm. Swayne, a crimson, rather too dark, with long, stiff stem, but received in poor condition; Priscilla, white, from E. A. & W. K. Wood, rather weak stem, otherwise a fair flower; Mayor Quincy, from A. Roper, dark pink with fringed petals and good form, but the buds on the plant showed a tendency to burst; seedling No. 1, from H. A. Cook, a trifle darker than Daybreak, good form, but a little weak in stem and texture of petals; Wellesley, from J. Tailby & Son, a very good scarlet of fine form and stiff stem, but hardly up to the size demanded in the carnation of to-day. W. S. Phelps was represented by Flora Hill and Lizzie McGowan in nice condition.

The exhibition brought to Boston quite a sprinkling of visitors from outside localities. New York was represented by Eugene Dailledouze, Chas. H. Allen and Ernst Asmus. Other New York visitors of the week were Paul M. Pierson and L. C. Bobbink.

While a photographer was taking a flash-light picture of the interior of Welch Bros'. store last Saturday the apparatus exploded. No one hurt and no damage done excepting to window glass.

It is understood that a large rose grower for the New York market is about to open a salesroom in Boston for the disposal of his surplus cut.

Wm. H. Long has taken a position in the establishment of Julius A. Zinn on Beacon street.

Philadelphia.

THE MARKET.—BURTON'S WHITE CARNATION.—HEACOCK'S NEW CARNATIONS.—ORCHIDS IN DEMAND.—WHITLEY-CONWAY MARRIAGE.

The store trade still shows considerable life and it seems as if there will be a good demand for flowers right up to the busy holiday time. All kinds of good stock is sold readily at good prices, which, by the way, are advancing having taken quite a leap the past few days,

John Burton is cutting a few Brunners. Carnations are plentiful but seem to sell readily. John Burton's new white readily commands the best price. Jas. Heacock's new large light pink is a good one and sells quickly at the top. The stock of his new white carnation has been purchased by a Washington florist. It is a fine flower. Violets are becoming a trifle more plentiful and sell very well. The large single varieties if properly bunched seem to please and but few go to waste. Ed. Reid is getting some good Californias. S. S. Pennock is getting a few fancy doubles.

There is a good demand in the green goods. Fine maidenhair moves lively at $1 per hundred. Asparagus in bunches and strings sell for 50 cents, with a demand for the bunches that is greater than the supply. The 'mums are down, peace to their ashes, may they come early next fall with renewed vigor and not tarry quite so long in the winter month.

Orchids are in quite good demand; cypripediums sell for 12 to 15 and cattleyas



GREENHOUSES OF MRS. E. A. WILLIAMS, PITTSBURG, PA.

A Successful Lady Florist—Pittsburg.

Mrs. G. A. Williams, 1713 Carson street, has effected improvements this summer that make her establishment fully equal to any in this vicinity, being modern in every respect. The greenhouses shown in the illustration are located at Knoxville, on the hill top, on the south side of the city, and are seventeen in number. This season Mrs. Williams had six new ones put up, 20x100 feet, together with a new propagating house, and had them all well stocked. She is making a specialty of plant decorating, having a very large and fine lot of palms and foliage plants. Mrs. Williams has the distinction of being the only woman florist and grower in this section. She is a progressive business woman enjoying the confidence and respect of the trade. The illustration will give a very good idea of her place.

are very scarce at 50 cents. The preparations for Christmas are to be seen on every hand and there promises to be a large stock of all kinds of greens and holly. There are more people interested in this stock every season and as a con



BEGONIA GLOIRE DE LORRAINE

sequence prices fall. Good holly can now be bought at a very low figure as compared with the prices of three years ago; from $2.50 to $3.50 per case is about the price for good stock. Ground pine is offered at 6 to 7 cents per pound. In a few days the streets will be lined with the men and women who gather and market their stock themselves.

Robert Craig, we are glad to say, is better and though recovering will be obliged to remain in bed for two weeks at least.

Miss Conway, of Brooklyn, was married to F. W. Whitley of Smith & Whitley, December 4.

Ed. Reid is first out with a calender for 1898. It is both useful and ornamental.

S. S. Pennock's addition is now completed and he will now have room to handle his business for a year to come, at which time another addition may be looked for.

Bayersdorfer & Co. are up to their eyes in business but will find time to show a fellow around the warehouses when he drops in. The visitor is generally touched for an order before he leaves, not being able to resist the temptation, as it were.

M. Rice & Co. say their business was never better, they having to work overtime to get their orders out. K.

Begonia Gloire de Lorraine.

It was gratifying to note in the last issue of the FLORIST that the Massachusetts Horticultural Society had awarded a silver medal to the begonia, the name of which heads these notes and which is well shown in the illustration. That public-spirited gardener, Mr. F. L. Harris, who has charge of Mr. Hunnewell's estate, Wellesley, Mass., had the honor of exhibiting this new plant on the occasion referred to.

It is not only destined to play a very important part in floriculture, where begonias have hitherto held their own, but it will go further, for on account of its free blooming qualities it cannot fail to make a place for itself both as a pot plant and also for cut flowers in general.

In color it is a bright and cheerful pink. It certainly is most valuable, and belongs to the fibrous species of begonias; or is it a hybrid? Am inclined to believe it to be a hybrid.

This same begonia was on exhibition at the last show held in Philadelphia. The name it bore there was Gloire de la Reine! I have seen it growing since that time in a greenhouse and it was there correctly labeled "Gloire de Lorraine." I am a thorough believer in labeling every article, no matter how insignificant it may be, at an exhibition, because even a display for effect only loses more than half its value if the plants composing it are not correctly labeled.

What are we to do when an article comes so nearly being correct as was this one and yet be named wrongly? Such carelessness (or worse) is the direct cause of much erroneous and misleading horticultural nomenclature being diffused, and it is certainly to be deplored. It is to be hoped that this particular exhibit was

not thus wrongly named and yet so nearly true for the purpose of throwing those who might likely be hunting in other catalogues for so valuable a plant. We trust not.

If there ever was a mule begonia this variety must be one, for notwithstanding the fact that there are hundreds of flowers on the few plants that I have seen, not one among them was known as seed-bearing—possessing no pistilate flowers; there were flowers bearing bright yellow stamens in abundance, but so far as I could see not one ripe grain of pollen was visible. The two parents of this begonia are as dissimilar as possible, B. Socotrana being a distinctly winter flowering species requiring rest in summer, whereas B. Dregii, its other parent, may be depended upon to flower in summer. S. DALE.

Chicago.

WHOLESALE HOUSES TO MOVE.—LARRY KELLEY IS HELD UP.—CHICAGO BOWLERS MAKE EXCUSES.—CHICAGO FLOWER SHOW STATEMENT.—MR. NEUNER STABBED AND ROBBED.—S. BLAIR WINTER HOME AGAIN.—MARKET NOTES.

The Atlas Building on the northwest corner of Wabash avenue and Randolph street is rapidly coming to the front as a wholesale cut flower center. Three firms have secured quarters in the building within the last week or ten days. Others have been negotiating for room and may move to this locality later on. Mr. E. C. Amling, formerly at No. 88 Wabash avenue, has secured the room formerly occupied by the Illinois Cut Flower Co. at 51 Wabash avenue. He will have ample room in his new place to handle his largely increased business. Poehlman Bros. will occupy the first room next south of Reinberg Bros. Rogers Park Floral Co. have leased the room next south of Amling's.

CHICAGO SHOW, 1897. RECEIPTS AND EXPENDITURES.

RECEIPTS.

Gate receipts	$4,389 35
Cut flower booth, commission and programme advertisements	355 98
Total receipts	$4 745 33
Premiums given by friends of the society	$1 393 39
Total receipts from all sources	$6,138.72

EXPENDITURES.

Installation maintenance and rent	$1 444.16
Advertising	894 64
Preliminary	87 00
Recording and accounting	117.50
Art exhibit	162.24
Music	165 00
Judges	133 94
Admission	99.60
Programme	204 80
Premiums	1,748.00
Total	$5,056.28
Excess of receipts over expenses	$1,082 44
Deficit of the show on its merit (that is, if donated premiums are not considered)	330 95

A. Neuner, formerly of the firm of Nanz & Neuner, Louisville, now with Vaughan's Seed Store, was assaulted, stabbed and robbed the night of the 11th. He is mending and will be out this week.

Larry Kelley, with Kennicott Bros. Co., was met by two footpads as he was going home a few nights ago and relieved of his small change (60 cents). Larry says when he received the command "hands up" he executed it in double quick time.

The Chicago Braves returned from St. Louis Monday morning highly pleased with their trip to the city across the bridge, though we have failed to discover any scalps in their girdles. Each of the bowling teams lays the blame for not making a better score on the others, Walter Kreitling alone accepting his share of the blame. Walter claims he got dirt in his eyes from washing in the waters of the "Big Muddy" and he could not see the pins.

S. B. Winter, of Winter & Glover, wholesale florists, has returned from the East, where he has been on a pleasure trip for the past two months.

There is a general complaint of slow sales with the retail trade, but with the wholesalers it is quite the reverse. It is quick sales at good prices with them. Their only complaint is short stock.

Beauties are in great demand for out of town orders. It would require all that are being cut to fill shipping orders alone. Good Bridesmaids are the scarcest flowers on the market. Many are off color, caused in part by dull weather, and I fear in too many instances by being cut too soon and left to open in the cellar or ice-box instead of on the plant. The stock of light colored roses is somewhat shorter, though up to the present about equal to demand.

Violets are coming in more plentifully, though held too high to move freely, except to shipping trade.

Carnations are more plentiful, except white, which are still very scarce. The prices of the better grades of carnations have stiffened a little this week. Bulb stuff is in limited supply, valley bringing from 3 to 5 cents, according to quantity; Roman and paper white slow at 3 to 4 cents; there are fewer Harrisii lilies, and they bring 15 cents readily.

Mr. Turner, of Kenosha, in town.

Chicago Bowlers' Trip to St. Louis.

The Chicago bowling team, with three or four other members of the trade took the Wabash train for St. Louis Saturday night last. They were met by a goodly delegation of the St. Louis boys and after a substantial breakfast at the "Rosier," made the rounds of the wholesale and retail stores. Bowling began about one o'clock and continued until six with occasional intermissions for discussion of a very palatable luncheon. Over one hundred members of the craft were spectators at the alleys during the game. At 6:30 the visitors, the St. Louis bowlers, with others partook of an elaborate dinner at Lippe's; 28 covers were laid, with President Halstedt of the Florist Club, in the chair. After the dinner a few short speeches were indulged in and a cordial vote of thanks passed by the visitors on motion of Captain Wilson of the Chicago team. Cordial good feeling prevailed the whole day and at 9 p. m. most of the Chicago party were escorted to the train and given a hearty good-bye. The success of the St. Louis team makes a third game necessary and it will be looked forward to with much interest.

Cincinnati, O.

CARNATION SHOW.—MEETING AND NOMINATION OF OFFICERS.—ENTERTAINMENT.—E. G. HILL AND J. BERTCHE ON THE SICK LIST.

The carnation meeting of December 11 was the most attractive meeting this year. The exhibition of carnations brought out the best growers of this vicinity, as well as some from a distance. Mr. Fred Dorner and Hill & Co. were prominent exhibitors; their display was well arranged and deserved credit. Although the show was called a "Special Carnation" show, the display of roses was as usual the center of attraction. Messrs. George and Allen's collection of roses, some twenty vases, were fine, and many favorable comments were passed upon them by the visitors.

The most conspicuous vase in the hall was that of carnation Evelina; stems stiff, flowers large and bold, color white and foliage clean, shown by R. Witterstaetter. The house of Evelina should be seen to be appreciated, and if she behaves as well in the future as she has done in the past, will be *the* white. Flora Hill made as good a showing as usual, but lacks stem alongside of Evelina. One of Mr. Hill's new varieties Psyche on the order of Armazindy, heavily pencilled with pink, was a favorite; another of the same firm, Painted Lady, on the order of Bridesmaid was considered fine. Arbutus, James Whitcomb Riley and Nobilis are good flowers and will be heard from later.

F. Dorner & Sons exhibited four new and some standard varieties. Among the late introductions Marie Wood, a white Bradt, Gold Nugget yellow pencilled with pink; too much can not be said of this variety. Gold Nuggett comes as near to perfection as any, the color a pleasing yellow, stems strong enough to hold the flower up gracefully, foliage robust and clean. John Young white and J. H. Grane scarlet, the latter I would call fair. C. H. Duhme, Bradt and White Cloud were well done. Wm. Murphy staged fourteen standard varieties and one vase of seedlings, and received a full share of certificates. Sunderbruch Sons' made the best general display of plants and cut flowers; several specimen plants of Cyclamen giganteum in 6-inch pots were well done and praised highly. The only vase of Poinsettia pulcherrima also in the Sunderbruch collection showed off immensely with a green background of palms and ferns. This firm received a special certificate for best display. Our city greenhouses came in with orchids and ferns, also several well-grown plants of Primula obconica.

Corbett & Wilson took the plum on violets, their Californias were surely grand with stems 8 inches long.

In the evening the regular monthly meeting was called to order by Pres. Gillett. The meeting was fairly well attended, fifteen members being present. Nomination of officers for the ensuing year was put on docket, and the secretary instructed to mail a copy to each member to select five of the roll of members to be voted on at the next meeting, these to serve as directors. After the routine of business was transacted, Mr. Giesy of Lockland, who was appointed a committee on entertainment, was called upon and in his usual witty way recited several selections, which were well received. Mr. Ben George was next on the programme; he spoke his piece well, which, by the way, he says he learned in a Sunday-school in old h'England. Ben George behind the footlights would make James Whitcomb Riley, the Hoosier poet blush. Mr. Will Murphy and Witterstaeter took up a discussion on "Carnation Culture" and were listened to with much interest.

Bowling notes: The Growers' Bowling Club, bowled their second game December 8, at Monmouth and 10th streets, Newport. The following scores show their average in six games. R. Witterstaetter, captain, 130; J. Fries, 106; Thomas Jackson, 150; W. Rogers, 146; F. Walz; 116. December 14 the store men and Growers' Club bowled a friendly game at Kern's alleys. Will Gray is said to be a great pin knight.

The funeral of Mr. Ch. Fleishman (of yeast fame) the philanthropist and multi-millionaire, created the largest demand

ever experienced in this city. Several hundred pieces of every description were arranged on the platform at the Scottish Rite Cathedral.

I am sorry to report the illness of Mr. E. G. Hill, who has been confined to his bed with lumbago. The boys here wish Mr. Hill a speedy recovery. Mr. Joe Bertche is also on the sick list.

H. SCHWARZ.

St. Louis.

FLORISTS' CLUB MEETING.—VISIT OF THE CHICAGO BOWLING CLUB.—ST. LOUIS WINS.—WEBER'S NEW STORE.—GRAND OPENING AT C. W. WORS'.—MARKET NOTES.

Thursday, December 8, the Florists' Club held their regular monthly meeting. The report of the chrysanthemum show committee was presented and adopted, and a vote of thanks was tendered to that body for the able manner in which the show was conducted. The essays rendered were instructive to both grower and dealer. The Chicago delegation of florists and bowlers consisting of Messrs. Wilson, Grant, Hauswirth, Zeck, Winterson, Kreitling, Stollery, Vaughan and Lange, arrived last Sunday morning to play the return game with the St. Louis Club. They visited most of the wholesale houses and took in as many retail stores as time permitted. The visitors were impressed with the growth of the city. It is to be hoped that their pleasure was not marred by their defeat. The appended score tells the tale.

	1st	2d	3d	4th	5th	totals
CHICAGO CLUB.						
Wilson	135	113	133	115	120	616
Grant	172	136	162	125	97	632
Hauswirth	97	118	116	138	129	598
Zeck	128	173	177	187	165	830
Winterson	130	141	155	146	117	689
Kreitling	91	116	95	131	104	537
Totals	753	790	838	842	732	3962
ST. LOUIS CLUB.						
Kuehn	186	119	177	135	124	741
Beneke	149	132	158	122	151	714
Kunz	130	148	154	126	139	697
Bauer	128	144	142	107	103	614
Beyer	141	148	185	192	148	814
Schray	148	123	160	130	185	749
Totals	882	814	976	812	850	4326

The weather during the past week has been anything but favorable to both the grower and dealer. Notwithstanding that the receipts of stock were light, prices continued to drop. Shippers are evidently holding back their stock for holiday week, and from all indications good prices will prevail.

Roses: The supply of Beauties for this market was very limited and all fancy stock sold at good figures. Dealers have already put in large orders and prices should rule high for the coming week. Bridesmaids were received in liberal quantities; the majority, however, were very poor in color. Meteors are scarce and poor in color, Perles arriving in good shape, La France scarce; Carnots bring big money and are very scarce.

Chrysanthemums are practically over. California violets have held up in price all the week, supply limited. Double violets scarce and readily sell at good figures. Home grown singles are becoming more plentiful. Southern violets are arriving in larger quantities. Valley is scarce. Narcissus and smilax in good supply. Harrisii lilies are backward this year and prices will be higher than usual. Mignonette continues to arrive in fine quality.

Riessen Floral Co. were very busy during the past week, having no less than eight large decorations to take care of.

Mr. G. C. Weber reports good trade in the west end, and his magnificent new store was the admiration of the visitors.

W. W. Coles, of Kokomo, Ind., still holds up his reputation as the "King of Growers" of Kaiserin and fancy Beauties.

C. W. Wors had a grand opening at his new quarters on Olive street; the boys report a good time and extend best wishes to the young heir, Master Robert Fitzsimmons Wors.

A. J. B.

Fred C. Weber's Model Store—St. Louis.

With the present strong competition among retail florists in all our large cities, the question of a store especially adapted to the business and with a location convenient to the best and most profitable class of trade are matters of the greatest importance. Recent experience has undoubtedly demonstrated that a flower store arranged with one or two practical greenhouses immediately adjoining and opening into the salesroom is very attractive to customers.

As to locality, many of our most successful retail dealers in flowers and plants we find now located in or near the best residence districts. Their customers—most of whom are ladies—find it pleasant and convenient to visit the nearby flower stores and conservatories, and trade is increased by this convenience.

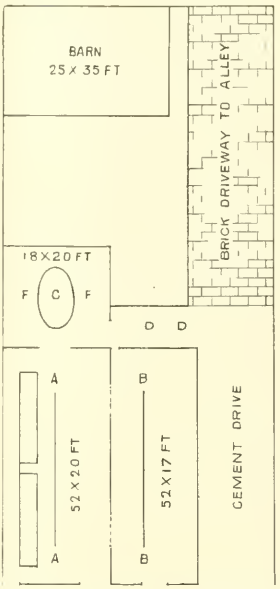
Mr. Fred C. Weber, of St. Louis, has recently erected at 4326 and 4328 Olive street a floral establishment consisting of a store with a residence above and two greenhouses adjoining, which may well be considered a model place. Mr. Weber at our request has very kindly written explaining the leading features of his place and their adaptability. We present two illustrations, a photographic front view and an outline sketch of the ground plan, with notes.

Mr. Weber says: "I consider it of first importance to secure a location favorable to trade, and second to so locate the greenhouses that all possible light is available. For this reason I have located on the south side of a street running east



STORE OF FRED C. WEBER, ST. LOUIS

and west, getting an excellent light for the greenhouse in the rear of the store. In building the store I have taken into consideration several points—compactness, neatness, pleasant outlook, color of walls and fixtures, the whole to harmonize so the customer receives a pleasant impression on entering the store. Next in importance I consider the store fixtures and here again the color must be considered. In my opinion nothing will display palms so well as white fixtures with a pea green tint for the color of the walls; when I speak of fixtures in a flower store the refrigerator



GROUND PLAN OF F. C. WEBER'S PLACE.

A A Store. *E E Blooming Plant House*
B B Palm House. *C Aquarium.*
D D Plants unloaded here.

is a feature. My arrangement gives 2-inch pans of water covering the bottom of the box with an overflow for the surplus. I think it important that a thoroughly moist atmosphere pervade the box rather than that flowers be kept too cold, and my experience is that the flowers so kept are much more satisfactory to my customers.

"We have used a few large mirrors—not too many—for a duplicate effect of the flower and plant display, and the ladies always like them. Our counter we have made of tile. It is easily kept clean with a sponge and chamois, is very handsome and displays the flowers to the very best advantage. Tiling is also used in the large show window. The store floors and the base board running around the same are laid in mosaic and are always neat, clean and attractive.

"The greenhouse for palms is in front and at the right of the store, as shown in the ground plan. It is connected by one large 12-foot door, a 12-foot plate glass window and a smaller door in the rear. Ample light is supplied for the side of the store with sunshine from 10.30 A. M. to sunset. This palm house is supplied with side and center benches. In the rear of the store is the smaller greenhouse used mainly for flowering plants, with a cement aquarium in the center available for aquatic plants, goldfish, etc. The walks of both the houses are of granitoid. Through the door at the right of this show house we pass to a receiving place in the yard where palms, flowers and other material are unloaded. This place is cemented.

"The cellar work-room is well lighted and also has a cement floor with a sheltered outer area well adapted for storing Christmas green, holly etc.

"The telephone closet is boxed into the

stair area just at the rear of the desk, where it is not only convenient, but entirely separate from the store and shows no wiring on the walls.

"The entire establishment is lighted by electricity, as is also the refrigerator, which has mirrors at the back."

St. Louis. F. C. WEBER.

Baltimore.

TWO THOUSAND BOXES OF CUT FLOWERS DISTRIBUTED FREE PER MONTH IN THE DISTRICT OF COLUMBIA.—OTHER NEWS ITEMS.

The club was treated to a bit of magic at its last meeting, for when Mr. J. R. Freeman, of the delegation from Washington, waved his hand and made a few passes and uttered a few incantations, the walls of the room disappeared, and the astonished gaze of the members rested upon enormous ranges of forcing houses, hundreds of skillful employees, acres of neglected and shabbily-planted public grounds, thousands of boxes of choice cut flowers distributed in bribery to senators and congressmen, broken laws, misappropriated public money, suffering florists and demoralized business, all caused by the iniquitous distribution of plants and cut flowers to influential people and members of congress by the Department of Buildings and Grounds in Washington, D. C.

Mr. Freeman, who made a very forcible speech to the club, began by explaining that their reason for asking Baltimore men's assistance was because they had been told by Col. Bingham, the officer in charge of the department, in answer to their earnest and repeated complaints that the Baltimore florists approved of the free distribution; then again, Baltimore being so near, must be almost identical in interest with them, and naturally seemed the point through which they might reach the outside world and bring influence to bear on the official world of Washington.

He then described the growth of the public gardens of Washington from the humble position it occupied in 1865 to its present state, with about two acres of glass used, ostensibly for the protection of plants for the public grounds but really to grow carnations, roses, chrysanthemums and other florists' flowers to be given away to senators, members of congress, judges of the supreme court and people of influence generally. He said Col. Bingham had admitted having distributed two thousand boxes of cut flowers per month, one to every member of congress, two to every senator and eleven or twelve hundred to various men of influence. The colonel stated that one-half of the flowers were sent to hospitals, but he (Mr. Freeman) had failed to find the hospitals that received them. These flowers were admitted to be worth three dollars a box at least. About forty thousand long stem chrysanthemum flowers were distributed this season.

The chief official excuse was that in the production of plants for the public grounds some flowers were necessarily grown which, when cut, had to be thrown away or given to some worthy institution or person, also that some were needed in decorating the White House. The truth of the first excuse might be tried by a list of some of the houses. Three, two hundred feet long, being filled with smilax; three, the same length, with carnations; two with roses, one with azaleas, one with adiantum, one with swainsonia, poinsettias, etc., all of which was evidently fine stuff for planting the grounds with.

As for the White House decorations; which were invariably and unchangeably the same, the conservatory there furnished the plants, and in spite of the vast quantities of flowers in the public garden greenhouses, they had been known to use artificial flowers to eke out the supply at the White House, which was furnished altogether by the White House conservatory.

The whole business was in violation of a law expressly prohibiting it, as found in United States Statute at large, 45th Congress, 2nd session, vol. 20, page 220. After the ordinary appropriation the words "provided that hereafter only such trees, shrubs and plants shall be propagated at the greenhouses and nursery as are suitable for planting in the public reservations to which purpose only the said products of the greenhouses and nursery shall be applied."

Mr. Freeman was followed by Messrs. Hale, Boyle and Woods who all added to the distressing picture touches of their own, mentioning two reform schools supported by the government, which make a business of growing plants and flowers and selling the same in competition with the regular trade.

The members of the club were greatly stirred up and on motion Messrs. Seidewitz, Burger and McRoberts were appointed to draft resolutions. Judge Sands happening in just then assisted and the following resolution was offered and passed unanimously.

Resolved, That this organization reprobates and protests against the existing and still further growing practice of the free distribution to officials and private persons, of cut flowers, decorative and flowering plants in the District of Columbia by the sub-departments of the U. S. Government as contrary to justice, to the correct principles of business, and to public policy, as well as to the very letter of the law governing the production of plants, etc., adapted to uses in the public grounds, and also as working great detriment to the florist trade of Washington and vicinity.

Several members of the club expressed their hearty desire to do all that could be done for the brother florists in their trouble and a motion was carried instructing the secretary to send copies of the resolution to the heads of departments at Washington, and to our representatives and senators.

Naturally after all this there was no time to talk flower show, so the executive committee's report went over to the next meeting.

Since the chrysanthemum has almost disappeared from our markets flowers have been decidedly scarcer, and the numerous balls and entertainments have increased the demand to such an extent that those fortunate enough to have flowers in spite of the dull weather are finding ready sales and good prices.

The La France buds shown at the club meeting by Madsen & Anderson were truly remarkable in size, color and stems. Mr. I. H. Moss showed a La France sport color of Bridesmaid at the same time, which was a very pretty variety.

Mack.

Toledo, O.

S. N. Peck, the Broadway florist, has started a branch business in Bowling Green. Miss Bertha Peck is in charge of the business

Buffalo.

WILLIAM M'MILLAN SUPT. OF PARKS REMOVED—WM. BELSEY'S PLACE—WM. SCOTT'S HARRISII LILIES.

It will be a surprise to many of your readers to hear that the Park Commissioners of this city have dispensed with the services of Mr. William McMillan, Supt. of the South Parks.

While not unexpected yet it was hoped for a time that existing differences might be adjusted amicably, but matters had evidently gone too far, and the rupture came. Mr. McMillian has been in the department for twenty-six years, and until quiet recently has been superintendent of the entire system, and the present conditions of the parks is in a great measure due to his careful management. His interpretation of the Olmsted plans was most happy, and that firm has, on more than one occasion, complimented him on his success in carrying out the details.

No successor has been appointed. It is to be hoped that no hasty action will be taken, but that the commission will wait until the services of a thoroughly competent man can be secured.

Trade is quiet, probably on account of the very unseasonable weather.

It is a real pleasure, in these days of specialists, to get into a place where a snug little retail business is done, and where about everything sold, is raised in the establishment.

Of course it looks queer to see roses and palms growing in the same house, but "The proof of pudding is in the eating," and at Mr. William Belsey's place on Brayton street the two seem to get along nicely together. Mr. Belsey has been for years one of our most successful cyclamen growers, and has a very nice lot coming on, though they will hardly be in for the Christmas trade. He usually has fine primulas and this year is no exception to the rule. I notice that he still grows Asparagus tenuissimus quite extensively, though he has some plumosus. Some fine crowns of Adiantum cuneatum, now resting, give evidence that in their season he must have had some fine specimens. I observed that his stock chrysanthemums were out in cold frames for the winter and he informs me that such is his usual method. He thinks the stock is more vigorous, treated in this way.

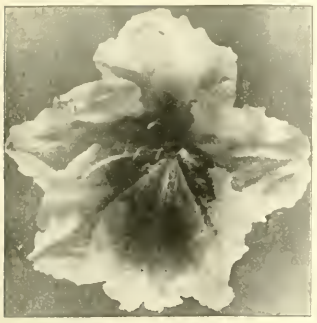
While waiting at Scott's the other day, I noticed that he adopts the method of starting his Harrisiis in small pots and when well started and rooted shifting them into larger pots.

This seems to be a growing practice, and doubtless an excellent one. At shifting time about all the diseased bulbs can be detected and discarded. Here too, I saw some very attractive pans of poinsettias, several planted together in pans of various sizes. They were propagated in August, are a little more than a foot high, well bracted, and furnished with dark green foliage to the ground. Mr. Scott takes objection to some recent remarks of mine in which I characterized Corfu as a desert in regard to violets. He says there are oases in the desert and that from his old house he is picking good violets in quantity.

My remarks were not aimed at him, but, however, the apology is accepted.

Thrall's new store is a beauty. It is furnished in white and gold, is roomy, and his show window is one of the best on the street.

McKEESPORT, PA.—A. J. Deitz & Co., have sold out to J. H. Orth & Co.



American Grown Azaleas, Rhododendrons and Kalmias.

Thirteen years ago Jackson Dawson read a paper before the Massachusetts Horticultural Society on the propagation of trees and shrubs from seed. Last August the visitors to Providence at the S. A. F. convention were surprised and delighted to see an object lesson of fine healthy looking 3 year old rhododendrons and Azalea mollis grown from seed at Swan Point cemetery, equal and in some respects superior to the best imported stock.

Mr. Timothy McCarthy, Swan Point's talented superintendent and his enthusiastic foreman, Mr. Dillon, modestly declined to accept any credit for the results of their work and the well awarded medals of the S. A. F. found them protesting vigorously against "sailing under false colors and borrowed fame" as Mr. McCarthy expressed it. Because, as he further claimed, "the incentive and encouragement to undertake anything in this line must be given to that veteran propagator and best friend to horticulture our country has to-day, Jackson Dawson," and to the paper on propagation referred to was attributed wholly the success attending the effort to raise home grown rhododendrons and azaleas.

Twenty years ago the visitor to the Arnold Arboretum had an opportunity to see seedling rhododendrons successfully grown in frames. There was no mystery or egotism and Jackson Dawson was as ready and willing then, as now, to initiate anyone sufficiently interested to listen, yet our nurserymen have gone on propagating maples and deutzias, spruces and spiræas, while men of wealth have been sending thousands upon thousands of dollars abroad for rhododendrons, to protect and care for which has cost as much as the plants themselves, and our plant lovers possessed of smaller means have spent many a dollar for worthless imported varieties, grafted on tender stock, and discouraged by their failure the cottage gardeners have been concontent to relinquish the rhododendron to their wealthy neighbors as an exclusive possession, an aristocrat among aristocrats, whereas it should be a conspicuous ornament of every home garden.

Suppose that twenty years ago some enterprising nurseryman had gone into rhododendron and kalmia growing; what would the results have been worth today? Low, mucky land, of little value for anything else, might have been utilized, and what better asset could a nurseryman leave his family than a fifty acre plot so planted? A nursery of undisturbed conifers and deciduous trees and shrubs at that age would be almost valueless, in fact few of the popular garden shrubs would be worth digging at ten years of age, but rhododendrons thirty years old can be guaranteed to live even if so large that it takes a yoke of oxen to move them. Yet if one wants to buy a few hundred plants there is not an establishment in all America that can furnish them!

Mr. McCarthy regrets that his work loses much of its merit from lack of system. The seed from which his plants were grown was taken haphazard, a pod here and there, without any regard to varieties or selection. The seedlings, in a general way, however, seem to be as good as the named imported varieties and are, of course, superior from the fact that they are on their own roots, and grown in our own climate and soil they should and do show a vigor rarely seen in foreign grown stock He regards the old idea of the necessity of a deep peat bed for rhododendron culture as erroneous and finds that a border of ordinary soil with turf and leaves from the garden suits them better. Rhododendrons from Germany do not seem to succeed here even as well as the English grown plants and this he attributes to the use of too much peat by German growers.

The interest developed by the Providence exhibition leads us to feel that at last our American growers begin to recognize their opportunity and it will not be many years before we shall see at some of our S. A. F. conventions as fine specimens as those produced at Swan Point Cemetery, grown by commercial nurserymen and offered to the public at reasonable prices. No lawn is complete without a group of these lovely plants and there is room in all our public parks for miles upon miles of Rhododendron maximum and Kalmia latifolia. Home grown stock will give birth to public confidence and the nurseryman who takes advantage of the present opportunity, going about it in a systematic manner, will in the near future gather in a substantial reward.

Mr. J. P. Dilion has kindly furnished us with the following history of the plants shown at Providence and the method followed in their culture.

"On one of my collecting trips (December 21, 1893) I collected some seed from several varieties of hybrid rhododendrons which after cleaning I sowed on the 3rd of January, 1894, in pans prepared as follows: I first got some light sandy soil to which I added an equal amount of well rotted leaf mold and thoroughly mixed, the pans being about 3 inches deep and drained well with broken crocks about an inch deep, over which a layer of sphagnum was placed and the pan filled with the compost, upon which after being pressed firm and well watered the seed was sown. These were covered very lightly with some old dry sphagnum ground up fine and sifted over them with a fine sieve. In 2 weeks time they commenced to come up, and in 3 weeks were up fine, and 3 weeks later or 6 weeks from sowing they were transplanted into flats one-half inch apart, using the same sort of compost. This, I believe, is their dangerous period and they want to be kept in a shady location and watered carefully, as one hour's hot sun will destroy a whole batch by scalding; it is equally true that an over-dose of water is just as injurious, so constant care and watchfulness are necessary all the time.

Just as soon as the leaves of the plants begin to touch each other I reset into other flats, sorting into sizes and putting them from 1 inch to 2 inches apart according to size; this was done the last week in June and the flats put into the coolest part of the house. After two weeks they were taken out and placed in a frame shaded with lattice work and treated as any hardy plant, covering them during storms with sash to protect them from drenching. During the last week in September I again sorted and transplanted putting plants as close as the foliage would admit and let them remain in the frame until the following May, when they were taken and planted into frames made specially for them.

The soil used in the frames was the top sod of our native soil in which the kalmia, azalea, huckleberry, black alder and other native plants make their home. The seedlings which were at this time from 2 to 4 inches high took kindly to the soil and grew rapid and robust, making nice stocky plants 6 to 10 inches high at end of season. Among a batch of over 600 we did not lose 20. With a light covering of brush and litter to protect them during the winter they came round all right in the spring ready to make a splendid growth and to set flowering buds for the following year (which was the past spring). Among those that flowered there was not one that was not the equal of some imported named varieties, besides the growth was luxuriant, being from 10 to 18 inches and stout in proportion.

Our native R. maxima is a late flowering variety coming into bloom when the season is advanced and the weather hot and dry which may have a tendency to keep the seed from maturing as vigorously and plump as the earlier kinds. I have both maxima and the hybrids growing in flats side by side, the maxima slow growing hardy looking little fellows while the hybrids are plump and vigorous.

The Azalea Mollis we have grown under the same treatment, being equally successful, having plants from 2 to $2\frac{1}{2}$ feet with from 10 to 20 shoots and in bud. The rhododendrons are just as high with from 6 to 14 shoots, a great number of which are set with buds and all grown from seed sowed on the 3rd of January, 1894.

As regards the proper time to pick the seed I should say it would be just as soon as the seed pod commences to burst, which I find to be from the middle of November to the middle of December, some varieties maturing and ripening much earlier than others. I believe that cold weather and frosts tend to ripen and perfect the seed and am satisfied it is no injury to them, for I have picked in January pods with seed in them that were exposed to the severest kind of weather and they germinated all right. I would say the temperature maintained during nights and cold and cloudy weather is about 55°.

Form and Value of the Fixed Alkalies as a Plant Food.

BY A. W. WARD.

[*Read before the Gardeners and Florists' Club of Boston.*]

There are two fixed aikalies, potash and soda. For agricultural purposes they are used in the form of muriates, sulphates, carbonates or nitrates. Sir John B. Lawes says: "Although potash, phosphoric acid and nitrogen are the chief manure ingredients in barnyard dung, the manure ingredients in artificial foods and in artificial manure, still the difference in form in which these substances are met with greatly affects their value. The present method of analyzing manures does not properly recognize these

distinctions, and the valuations founded upon these analyses are altogether false and erroneous." Thus it appears that the form in which alkalies are applied to the soil greatly affects their value.

Muriates and sulphates are in a very inferior form to the carbonates. Their action on the soil and plant is entirely different. Muriates and sulphates are plant poisons; carbonates and nitrates are plant nourishers. Alkaline muriates are beneficial, however, when added to the manure heap, keeping down the heat and preventing fermentation. They are sometimes used to check vegetation and employed not infrequently to hinder the growth of grain crops, or, rather, to prevent the stalks from becoming nitrogeneous matter. Muriate of potash closely resembles muriate of soda (common salt) in appearance, solubility in water and action on the soil.

Sodium salts are, however, not characteristic of vegetable life in the same sense that potassium salts are. Thus, while the latter alkali is always present in larger quantities in certain organs of the plant than in others, sodium appears to be generally equally diffused throughout the whole organism. It is also a remarkable fact that the sodium salts contained in the ashes of plants are insoluble in water, as they combine with the phosphates of the alkali earths to form insoluble compounds. For this reason the presence of sodium compounds has been often overlooked.

It is a well established chemical action of the alkaline carbonates (potash and soda) on vegetable or other organic matter to render it more soluble and thereby cause it to more speedily and effectually reduce insoluble and inert organic matter to the state fit to be taken up by the roots of plants and enable them to be more completely consumed as food. They may be said to prepare the food of plants, forming readily soluble compounds with the humic acid and the organic substances existing in the soil.

Under the influence of the alkaline carbonates (not sulphates or muriates) the organic matter disappears more rapidly than it would otherwise do, and after it has thus disappeared fresh additions of the carbonates produce no further good effects. Putrefactive fermentation will shortly set in where a soil rich in organic matter is mixed with enough alkali in the form of a carbonate to saturate it, and it is then left moist in a warm place.

Conversely, it is known that acid and acid salts hinder putrefaction. The presence of the alkali favors the growth of the microscopic ferments and that of an acid hinders it. The real significance of the alkali carbonate added to the soil containing much organic matter is, that besides neutralizing its natural sourness it favors to a remarkable degree the growth of the nitric ferments and so promotes nitrification. A trace of alkalinity in the soil, and air, moisture, warmth, carbonaceous food and ammonium compound constitute favorable conditions for nitrification. On an acid soil most crops, and especially grain crops, are subject to disease, and root crops are apt to fail altogether on such land, even if it has been liberally supplied with dung.

Up to a certain stage, grain and root crops, grown under such conditions, appear to thrive well, but as the season advances they receive a check, and at harvest time yield a miserable return. It is impossible to doubt that carbonate of potash or soda are useful in agriculture. Carbonate of potash has hitherto been considered too high in price to admit of its extensive application to the culture of the land. This reason, however, does not apply to the carbonate of soda, which is sufficiently low in price to allow of its being applied with advantage, under many circumstances. In the case of grass lands which are overrun with moss, or such as abound largely in vegetable matter, it may be expected to produce good results. It may be applied in a fine powder as a top dressing, and generally where wood ashes are used.

It greatly hastens the growth and increases the produce of the strawberry and should be applied early in the spring. Many experiments have shown that both of these alkaline carbonates may be employed in the field with advantage to the growing crops. In reference to their mode of action it may appear that potash is the more likely of the two to be beneficial to our cultivated crops, inasmuch as the ash of those plants which are raised for food is generally much richer in potash than in soda. This arises from the more abundant presence of potash in the soil generally, for it has been demonstrated that soda may take the place of potash in the plant without materially affecting its growth.

It is stated in "Dana's Manual," fifth edition, page 66: "The inorganic elements of plants exist in combination chiefly with organic or vegetable acids. Each plant forms acids in definite quantity, proportionate to the size, age and part of the plants; the acid being constant, the bases to saturate them will be equally constant.

"It is a well established fact that plants growing on soil containing a due mixture of earthy ingredients always select a due proportion of each, according to their functions; yet, if to such soil an excess of either of the alkalies or of the alkaline earths is given, an excess of potash, soda, magnesia may be taken up by the plant, to the exclusion of the usual proportion of another; hence it may be established as the seventh principle in agricultural chemistry, one base may be substituted for another in equivalent proportions.

"This is a very important law in the agricultural relations of the inorganic parts of soil. Whatever may be the office performed by these in the living structure, none is of higher value than this, that they may be thus substituted, the one for the other. It is a fact of the highest practical value. Its value will be perceived when it is considered that in soil containing originally all the elements essential to a crop becomes exhausted of one, yet another may be substituted, which combining with the organic acid of the plant, enables this to perform and perfect all its functions."

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1898 will receive on request, a coupon for one five line want "adv." free, to be used at any time during the year.

SITUATION WANTED—By Colin Ogston, West Atlanta, Ga., who is a first-class grower of wholesale and retail stock.

SITUATION WANTED—By a reliable young man, single, age 23, seven years' experience in private and commercial place; good references. Address G, care American Florist.

SITUATION WANTED—By well recommended young German; good grower of all foliage and pot plants. Please state wages and address N N, care American Florist.

SITUATION WANTED—All-round florist, good propagator, grower and designer; carnations and violets; good references. I. P. HERSEY, Stafford Springs, Conn.

SITUATION WANTED—As grower in commercial or assistant in private place; best of references; single, age 26; sober and reliable. Address GUSTAV JOHNSON, 48 West Huron St., Chicago.

SITUATION WANTED—By an A1 grower of roses carnations, mums, etc., as working foreman of commercial place; age 27, single, best of references. Address E H, care American Florist.

SITUATION WANTED—By a young florist, 22, as assistant on private or commercial place; 7 years' experience in general greenhouse work. Good references. GEO. N. PHILCOX, Valley Park, Mo.

SITUATION WANTED—By a competent gardener and florist; could manage gentleman's estate or institution with success and economy; thoroughly reliable. Address "BOX," care American Florist.

SITUATION WANTED—By an experienced grower of roses, carnations, mums, etc., to take charge of commercial place; age 27, single; strictly temperate; steady position. Address B, care American Florist.

SITUATION WANTED—As foreman or manager in large commercial place by a first-class grower of roses, carnations, mums and general stock; life experience, married, age 36; has been foreman in large establishments for the past ten years; only reliable parties who wish a first-class man need answer; best of references Address ROSE GROWER, care American Florist.

WANTED—Two young men to assist in propagating. Apply at once. BASSETT & WASHBURN, Hinsdale, Ill.

WANTED—Partner in Chicago, with $1,000 cash, to take half interest in well established, paying florist and greenhouse business; experienced man preferred. Address L F, care American Florist.

WANTED—To lease for a term of years, greenhouse plant containing 2,500 to 5,000 feet of glass heated by hot water; must also be stocked and doing business. Address CARBONDALE FLORAL DEPOT, Carbondale, Pa.

WANTED TO RENT, with privilege of buying, by two practical growers, greenhouses, 15,000 to 20,000 feet glass, with land and dwelling house. All particulars at once to RELIABLE 3, care American Florist.

FOR SALE—Florist's single covered wagon; height about 5 feet, width about 4 feet, length about 7½ feet; built to order, costing $250. Used but two years. Will be sold cheap for cash VAUGHAN'S SEED STORE, Box 688, Chicago.

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One of the most valuable florists' establishments in the Middle South, ½ interest for sale or will lease to an enterprising, wide awake business man. Contents: 7 modern greenhouses, 25x150 ft., one 50x75 ft., three 20x50 ft., 75-foot violet house, frames, splendid windmill and watering facilities, packing sheds, office, 5 acres of splendid land for rose growing situated within easy access of Atlanta, Ga., on one of the most beautiful driveways of the city. Florist store in the Kimball House Block with first-class facilities, and the best stand in the city; connections with several of the largest tourist hotels in Florida, with shipping trade in cut flowers started. This is an established business with unlimited opportunities for enlargement. Aside from the cut flower trade there is a large opening for building up a shipping trade in nursery-grown roses, which thrive and make more growth here in one year than in three seasons in the North. The owner has other large interests which occupy his whole time and wants a thorough-going man who has some means and an ambition to extend an already well established business in this exceptional field. This is not a broken down or failing establishment. The owner does not desire to sell out the greenhouses but would dispose of an interest or lease, so that an enterprising florist would have such interest as would insure the exclusive application to maintaining the high character of the present business and working for its extension. Address JOS. THOMPSON, Atlanta, Ga.

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Three greenhouses containing 2,500 sq. ft. of glass. Only one in county in a town having a population of 5,000 inhabitants and a great watering place.

The reason of getting rid of the business is ill health. None but those meaning business need apply. Address BOX 456, Martinsville, Ind.

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" Brides	8.00@12.00
" Meteors	8.00@18.00
" Kaiserin, Bridesmaid, Slebrecht	8.00@15.00
" Perle	6.00@10.00
" Carnot	10.00@20.00
" LaFrance, Testout	12.00@20.00
Carnations, common	3.00@ 4.00
" fancy	5.00@ 6.00
Violets	1.50@ 2.50
Narcissus, Romans	3.00@ 5.00
Harrisii	15.00@20.00
Valley	3.00@ 6.00
Poinsettias	10.00@25.00
Stevia	1.00@ 2.00
Callas	12.00@15.00
Adiantum	.75
Smilax	10.00@15.00
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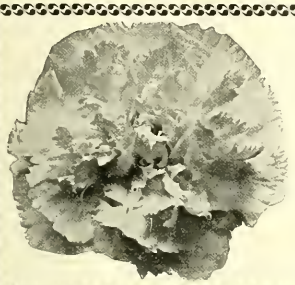
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Roses, Beauty	15.00@35.00
" Brides, Bridesmaid, Meteor	2.00@ 6.00
" Testout, Carnot	2.00@ 6.00
" Morgan, Cusin	2.00@ 5.00
Carnations	1.00@ 1.50
" fancy	2.00@ 4.00
Valley	2.00@ 5.00
Mignonette	3.00@ 8.00
Violets	1.00@ 1.50
Harrisii	6.00@18.00
Smilax	8.00@10.00
Cattleyas	35.00@40.00

BOSTON, Dec 15.

Roses, Beauties	10.00@50.00
" Gontier, Perle, Niphetos	2.00@ 4.00
" Bride, Bridesmaid, Meteor	4.00@ 6.00
" Carnot, Morgan	4.00@ 6.00
Carnations	1.00@ 2.00
Valley	2.00@ 4.00
Violets	.75@ 1.00
Smilax	8.00@10.00

PHILADELPHIA, Dec. 15.

Roses, Beauties, select	30.00@50.00
" " short and medium	8.00@25.00
" Tea's firsts	8.00@10.00
" " seconds	4.00@ 6.00
Carnations fancy	2.50@ 3.00
" ordinary	1.50@ 2.00
Valley, Mignonette	3.00@ 6.00
Violets, double	1.00@ 2.50
" single	.50@ .75
Smilax	12.00@15.00
Adiantum	1.00
Asparagus	50.00

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84 HAWLEY STREET, - BOSTON.

Asparagus Plumosus Nanus.

Strings 8 to 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

GALVIN & CO.

Wholesale Florists

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Cut Flower Consignments Solicited. Best market.

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Careful Shipping to all parts of the country. Price list on application.

JOHN YOUNG,

ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock.

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WHOLESALE COMMISSION,

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Cut Flower Exchange. NEW YORK.

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Wholesale Florist,

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THE AMERICAN FLORIST

Subscription $1.00 a Year. To Europe, $2.00.
Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agate; Inch, $1.00; Column, $10.00. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday

Address THE AMERICAN FLORIST CO., Chicago.

Born to the S. A. F.—Another Child.

On December 13, at Fort Wayne, Ind., the Florists' Mutual Fire Insurance Co. was formally organized and its board of directors elected.

Now is ushered into the world another member of the growing society of the S. A. F. (let us again, for once, use the old title, so endeared to us by time and kindly associations.)

How many children has the dear old mother society borne and what a stir they have made in the world! What a kindly, loving and indulgent parent has she been, and alas! what ingratitude has been her reward!

To each in turn as they have come into the world, owing their existence to her, has she given freely and without stint of her best and brightest. With what maternal fostering care has she sheltered and nourished her fledglings until they in the arrogance of youth have departed from the parent nest, turning even in their wayward flight to taunt and revile her to whom they owed life itself. When storms overtake them (the clouds even now are dark on the horizon), and when they are buffeted and beaten, will they return again to her sheltering wings, will they accept of her ever forgiving love, will they bring back the strength they have drawn from her?

Let us trust to the experience which comes as the result of trouble, to the waning of youthful recklessness and to the sober thoughtfulness which age brings.

We shall watch the course of this latest born with anxious hope. Will it, too, forget its obligations?

Between the S. A. F. and its offspring no bonds are wanted, no contracts required. They should proceed hand in in hand, each free and independent yet ever closer and closer drawn by ties of mutual interest, mutual friendship, each helping, each helped.

W. A. McFADDEN,

"Rosebank"

NEAVE BUILDING,
CINCINNATI.

Producers and Shippers of every description of High Class Floral Supplies.

Cattleya. **Orchids.** Cypripedium.

Quotations issued weekly, forwarded on request.

When writing to any of the advertisers on this page please mention the American Florist.

Wholesale Flower Markets

CINCINNATI, Dec 16.
CHRISTMAS PRICES.

Roses, Beauty select	75.00@100.00
" medium	50.00
" Brides	8.00@10.00
" Bridesmaids	10.00@12.00
" Meteors	12.00@15.00
" Perles	6.00@ 8.00
Carnations	2.00@ 3.00
" fancy	4.00@ 6.00
Valley	5.00
Romans	3.00@ 4.00
Narcissus	4.00@ 5.00
Violets	2.00
Poinsettias	25.00
Smilax	12.50@15.00
Adiantums	1.00
Asparagus	50.00

ST. LOUIS, Dec. 16.
CHRISTMAS PRICES.

Roses Beauties	50.00@100.00
" Kaiserin, Carnots, Meteors	10.00@20.00
" Brides, Maids, La France	10.00@18.00
" Perles	5.00@12.00
" Wootton	6.00@40.00
Carnations	5.00@ 8.00
Valley	5.00@ 8.00
Romans, Paper White	4.00@ 6.00
Violets, single	40@ .75
" double	2.00@ 3.00
Smilax	15.00@20.00

MILWAUKEE, Dec. 16.
CHRISTMAS PRICES.

Roses, Beauty, select	60.00@75.00
" " firsts	50.00
" " seconds	30.00
" " short	20.00
" Brides, Bridesmaids	9.00@15.00
" Perle	8.00@12.00
" Meteors, Siebrecht	12.50@18.00
Carnations, fancy	4.00@ 5.00
" common	2.00@ 4.00
Poinsettias	18.00@25.00
Callas	12.50@15.00
Harrisii	15.00@18.00
Violets	1.50@ 2.50
Romans	2.50@ 4.00
Valley	4.00@ 5.00
Smilax	15.00

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Wholesale Florist,
1122 PINE STREET,
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A complete line of Wire Designs.

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CONSIGNMENTS SOLICITED
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H-L-SUNDERBRUCH CO
WHOLESALE COMMISSION FLORISTS
4th and WALNUT STS.
CONSIGNMENTS SOLICITED CINCINNATI, O.
SPECIAL ATTENTION GIVEN TO SHIPPING ORDERS

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OF THE
AM. SEED TRADE ASSOCIATION
$2.00,
in either stiff or flexible cover.
ADDRESS ORDERS TO
AMERICAN FLORIST CO.,
CHICAGO.



Largest Stock of Tropical Plants in the West.

Established 1857. Phone L. V. 136.

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GROWER AND IMPORTER OF
TROPICAL PLANTS
1708 NORTH HALSTED STREET,
Corner Aldine Avenue, CHICAGO, ILL.

The following is a list of our stock. It is in excellent condition, and we are confident that we can please you, both as to quality and value.

PALMS.

VARIETIES.	Measurements taken from top of pot to top of tallest leaf.	Size Pot	Height Character Inches.	Leaves.	Each.	Doz.	Per 100
ARECA LUTESCENS, 3 plants in pot		4-inch.	12-14			$3.60	$30.00
" " "		5 "	30-34	8 10	$0.75	9 00	
" " "		6 "	34-38	8-12	1 00	12 00	
" " "		7 "	40-45		1.51	18 00	
CORYPHA AUSTRALIS		5 "	18-20	7- 8	.50	5 00	
KENTIA BELMOREANA		6 "	18-22	8-10	.75	9.00	
" "		4 "	16-18	4- 5	.50	3.60	30.00
" "		5 "	14-16	5- 6	.75	7 20	
" "		6 "	20-24	5- 5	1 25	15.00	
" "		7 "	36-40	5- 6	3.00	36.00	
" "		8 "	48-50	5- 7	4.00	48.00	
" " FORSTERIANA		4 "	18-20	2- 3	.50	5.60	
" " "		5 "	20-24	3- 4	.75	7 20	
" " "		6 "	28-30	3- 4	1 25	15 00	
" " "		7 "	50-54	4- 6	4.00	48.00	
LATANIA BORBONICA		3 "	12-14	3- 4	.15	1.50	10.00
" " "		4 "	14-16	3- 4	.25	3.00	25.00
" " "		5 "	18-20	4- 5	.50	5 00	40 00
" " "		6 "	18-20	5- 6	.75	9.00	
" " "		7 "	23-25	6- 7	1 00	12.00	
" " "		8 "	30-36	6- 8	2.50	30 00	
" " "		10 "	36-40	8-12	5.00	60.00	
PHŒNIX RECLINATA		5 "	18-20	4- 5	.50	5 00	
" " "		6 "	22-24	4- 5	.75	9 00	
" " "		7 "	26-30	5- 6	1 00	12.00	
" " CANARIENSIS		5 "	18-20	4- 5	.50	5.00	
" " "		6 "	22-26	5- 6	.75	9.00	
" " "		7 "	26-30	8-10	1.00	12.00	

FERNS.

NEPHROLEPIS EXALTATA, from 2-inch pots			per 100	$5 00
" " "	" 3 "		"	8.00
" " "	" 4 "		per doz.	1.50
" " "	" 5 "		"	2.00
" PECTINATA,	" 4 "		"	1 50
" " "	" 5 "		"	2.00
" " "	" 6 "		"	3.00

MISCELLANEOUS PLANTS.

ASPARAGUS PLUMOSUS NANUS, from 3-inch pots		per 100	$8.00
CYPERUS ALTERNIFOLIUS, from 4-inch pots		per doz.	1.00
" " "	" 5 "	"	1.50
" " "	" 7-inch pots, bushy plants	"	4.00
PANDANUS UTILIS, 4-inch pots		"	3.00

LYCOPODIUM WREATHING, in any quantity at 3 cts. per yard up.

Order now while the warm weather lasts. All orders from unknown parties must be accompanied by cash or acceptable references.

Pansies Worth Raising.

GOOD PLANTS, $2.50 per 1000, or $1.50 per 500.
LARGE PLANTS, $4.00 per 1000, or $2.50 per 500.
BLOOMING PLANTS, $1.50 per 100.
SEED, as usual. CASH WITH ORDER.

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199 Grant Ave., JERSEY CITY, N. J.

PANSIES....

Nice Plants, at $3 50 per 1000.
Cash with order.....

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..PANSIES..

200,000 in cold frames of the Jennings finest strains; all extra No. 1 plants; large size, ready to bloom $5.00 per 1000; extra medium size for cold frames, $4.00 per 1000. Extra 75c per 100 by mail.

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Cash with order. E. B. JENNINGS,
Lock Box 354. Southport, Conn.
Grower of the finest Pansies.

IT'S A MISTAKE
TO THINK
"ANY OLD THING"

will answer for a Refrigerator to keep flowers in. Those up-to-date are made by the

Chocolate Cooler Co., Grand Rapids, Mich.
SEND FOR CATALOGUE.

A Sample Collection.

We are growers of 2,000,000 plants per year, and wish every florist to see our stock, so we make up this $1.00 sample of new and standard plants worth $5 00 to any florist, as an advertisement so you can order by the 100, 1,000, 5,000 or 10,000 lots.

MORRIS FLORAL CO.,
MORRIS, ILLINOIS.

Musa Ensete, 500 Kilogs.

Fresh Seed; new and direct importations, $4 per 1000; $36 per 10,000.

PURE WHITE CINERARIA

BOULE DE NEIGE (Viard),

First-Class Novelty.

20 per cent. discount to those announcing this novelty in their catalogues; also electrotype furnished free. Ask for price list and description.

LETELLIER & FILS, Caen, Calvados, France.
Agent: C. H. JOOSTEN, 136 Greenwich St., New York.

Our German Friends

Can send in their names and addresses for the new Directory; we translate German, French, Swedish, Italian, or any other European language.

American Florist Company.

John Conley & Son,

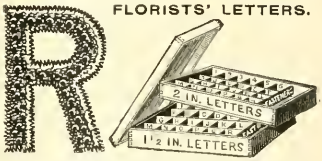
Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,
New York.

Boston Florist Letter Co.

MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters 1½ or 2-inch size, per 100, $2.00.
Script Letters $1 Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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64 Hawley St., BOSTON, MASS.





AMERICAN BEAUTY
and other ROSES.

12 firsts and 2 seconds out of
15 Rose entries at the CHICAGO SHOW.

We also Force BULBOUS FLOWERS
and COMPLETE ALL ORDERS.

51 Wabash Avenue,
.....CHICAGO.

Strictly High Grade Flowers.
Packed in best possible method for shipping.

Carnations, Roses.
all the leading varieties.

Poinsettias.
Will have good stock.

Orchids.

Asparagus.
Smilax.
Adiantums
Ferns.
Sterlia

Vaughan
A. L. Vaughan
45-47-49 Wabash Ave.

McKellar and Winterson.
C. N. McKellar
E. F. Winterson
Chicago.
Write for Catalogue.

Best Grades
Holly.
Per Case $5.00, 3 to 5 Cases 4.50
10 " 4.25

Mistletoe.
Per lb. 25 cents. 5 lbs. $1.00, 25 lbs. $3.75

Evergreen Wreathing.
Per 100 lbs. 3.50
500 " 16.25
1000 " 30.00
Per 100 yards 3.00
500 " 12.50

Wild-Smilax, Needle Pines.

Wire-Work, Sheaves, Doves, Moss, Ribbons a Specialty.

BRILLIANT GREEN AND BRONZE
GALAX LEAVES.
For Decorating and all Florists' Designs.
CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.

THE COLORADO FLORISTS' EXCHANGE CO.
(Incorporated. Paid up Capital $2000.00.)
Cut Flowers AND Florists' Supplies
WHOLESALE ONLY.
1709 Curtis Street, DENVER, COLO.
The dry climate of Colorado enables our growers to grow the best Carnations on earth.
We handle 75 per cent of the Carnations grown in Colo.

August Rölker & Sons,
Florists' and Garden SUPPLIES.
Importers of Seeds, Bulbs, etc.
New Fall List mailed free to all trade applicants.
52 Dey Street, NEW YORK.

M. RICE & CO.
Importers and Manufacturers of
FLORISTS' SUPPLIES
25 N. FOURTH STREET,
.. .. PHILADELPHIA, PA.
FALL CATALOGUE NOW READY.

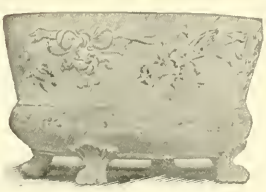
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.....WANTED Consignments ....of....
Roses and Carnations two to three times per week. Quick sales, top prices and prompt returns. Try us.
TEXAS SEED & FLORAL CO.
Wholesale Florists,
..... DALLAS, TEXAS.
Only first-class stock wanted.

Cut Smilax
15 cts. PER STRING.
RED PRIMROSES, 3-inch pots, $4.00 per hundred.
THE NATIONAL PLANT CO., Dayton, O.

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H. BAYERSDORFER & CO.'S
Seasonable Specialties:
CYCAS WREATHS. MOSS WREATHS.
FERNERIES AND JARDINIERES:
Norman Style in Sprays, Tinted and Delft.
Tuscan, in Sprays, Tinted and Delft.
Milan, in Sprays.
OUR LEADING NOVELTY:
LACE VIOLET HANDKERCHIEFS.

Wheat Sheaves and Immortelles.
The largest and best stock in America.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.,
56 North Fourth St., PHILADELPHIA, PA.

Orange, N. J.

The regular monthly meeting of the New Jersey Horticultural Society, which was held on Monday evening, December 6, was made interesting by a fine address by Dr. Dodge on the violet disease, and still further interesting, as well as amusing, by a discussion which followed between Prof. B. D. Halsted and Mr. Louis Batt. Dr. Dodge illustrated his lecture with charts, showing microscopic views of cross sections of diseased foliage, and Prof. Halsted described the growth and spread of the bacteria spores minutely. Louis did not take kindly to these scientific views, and created no end of merriment by his very outspoken opinion on the subject. There were about fifty members in attendance. Officers were elected for next year as follows: President, Malcolm MacRorie; vice-president, J. Hayes; secretary, Peter Duff; treasurer, Geo. Smith.

Cut Flower Price Lists Received.

We are in receipt of cut flower price lists from the following firms:

Kennicott Bros. Co., Chicago.
Winter & Glover, Chicago.
Bassett & Washburn, Chicago.
E. H. Hunt, Chicago.
Vaughan, McKellar & Winterson, Chicago.

FULL VALUE FOR YOUR FLOWERS

A GOOD MARKET FOR ALL GRADES.

Pack them carefully and address them to

J. K. Allen

57 WEST 28th STREET
NEW YORK

BEGIN NOW.



For XMAS Trade

Lily OF THE Valley

E. Asmus' High Class Stock... Best and Most Uniform Grown

We are WESTERN AGENTS Exclusively.

Violets

A necessity for the Holiday Trade with every flower buying community. We sell FRESH Violets.

CARNATIONS A SPECIALTY

—AND—

ALL OTHER FLOWERS At Lowest Market Rates.

Kennicott Bros. Co. are, and have been, the leading wholesale florists in Chicago for more than 15 years. If a general order can be filled in this market we can do it.

WIREWORK,
SHEAVES,
SAGO PALM
LEAVES,
DOVES,
PAPER, Etc.

Catalog! Ask for it.

Kennicott Bros.

(Cut Flower price list issued weekly.)

88 Wabash Ave., CHICAGO

Indiananoplis.

The Florists' Club held its monthly meeting on December 6, in Huntington and Page's seed store. This being the last regular meeting, election of officers for the coming year took place. Robert McKean was re-elected president by unanimous vote; Henry Rieman declining re-election as secretary and treasurer, Fred Huckride was elected to take his place.

The main topic was the chrysanthemum show. As our last show came very short of expectations financially, most members were opposed to a show in '98, but no conclusion was reached The final decision will be made after the state society meeting, to be held in this city the first or second week in January.

Alfred Pahud and John Sould were elected members of the club. Refreshments had been provided for by Messrs. Huntington & Page and were greatly appreciated.

Business is quiet as is usual before the holiday rush especially so on the market, while some funeral work helped out the store trade. B

Azaleas.

W. C., New Glasgow, N. S., inquires about the treatment of azaleas,—heat, syringing, watering, etc.

These plants will give satisfactory results in a night temperature of 50°, which may be increased to 60° in order to hasten the flowering period. The plants should be syringed daily in bright weather until the blooms commence to expand, and the roots should be kept moist at all times.

ALBANY, N. Y.—Fred. A. Danker, formerly with Eyers & Co., has taken the place at 40 Maiden Lane, where he will conduct a florist business on his own account.

ANSWERING "Subscriber," Mass., heaths are grown in quantity by J. Dirwanger, Portland, Maine; by Louis Dupuy, Whitestone, L. I.; and A. Schueltheis, College Point, L. I. ROBT. CRAIG.

The FATHER of the BUSINESS

Is Still At the Old Stand.

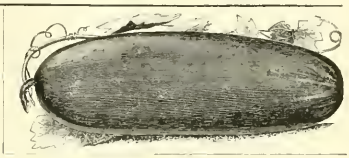
Fine Roses

FRESH STOCK.
REASONABLE PRICES.

For the HOLIDAYS.

JAMES HART, 117 West 30th Street, **NEW YORK.**

Livingston's
.. Emerald
.. Cucumber.



Is exactly what has been lacking for hothouse and hotbed use. Dark green.

PRICE (postpaid)—Packet, 10c; 3 pkts. 25c; 15 pkts. for $1.00 The Catalogue Trade is invited to list this variety. Terms on application.

A. W. LIVINGSTON'S SONS, ...COLUMBUS, O.

E. C. AMLING,

WHOLESALE Cut Flowers.

Notice. To accommodate our increasing trade and hold up our reputation for **prompt and satisfactory service**, we will move after December 20 to larger quarters, at

51 Wabash Avenue, CHICAGO.

We have every facility to handle your XMAS ORDERS in first class shape. ☞Write for prices now and secure the best the market affords.

CONSIGNMENTS SOLICITED.

Prompt returns and square dealings guaranteed.

REFERENCES:
Dunlap Bros., Bankers, Oak Park, Ill.

NO DISAPPOINMENT.

We aim to please, and know how.

Send for my Weekly Quotations, issued every Saturday. Free on application.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

LILIUM LONGIFLORUM, Japan grown, in the larger sizes, are likely to be higher next year.

MR. LESTER MORSE has returned to California.

SANTA CLARA, CAL.—We have just had a fine rain which will give all the seed crops a good start.

Belle Siebrecht.

ED. AM. FLORIST.—Can some of your readers inform me how to procure strong growth in Belle Siebrecht rose? I have planted it in raised beds, in fine compost, and while the growth seems perfectly healthy it is very small, not over twelve to fifteen inches high from rooted cuttings put out last April. Other forcing roses, planted in the same beds, have made very vigorous growth and I can see no good reason why this one should not have done the same. F. P. D.

Replying to F. P. D., to start with Belle Siebrecht is a rose of quite weak nature. It will not under any circumstances acquire the growth of the other roses generally grown, Brides, Bridesmaid, La France, etc. We should advise F. P. D. to replant in new soil, and disbud stock until next fall. He will then have plants with strong shoots.

REINBERG BROS.

A Correction.

The price per dozen for Madeline Pratt should have read $2 and not $5 in the ad of Grove P. Rawson, Elmira, N. Y., which appeared in last issue.

Floral Calendars.

We have received from Mr. D. B. Long, of Buffalo, samples of a number of different styles of floral calendars printed in various colors from half-tone plates. The designs are very delicate and graceful conventional arrangements of natural foliage and flowers, and the calendars should find a ready sale.

CHOICE SEEDS.

VERBENA GRANDIFLORA.

This improved strain of Mammoth Verbenas gives perfect satisfaction to my many customers, and is justly claimed to be the finest in cultivation; florets and trusses of extra large size, all the finest colors.

CYCLAMEN GIGANTEUM

A magnificent collection of the finest giant-flowering varieties, largest flowers, best colors, 30 seeds to pkt.

PETUNIA GRAND FIM. FL. PL

The largest and finest strain of double-fringed and mottled Petunias to be had. Extra. All the above are of the very finest, carefully grown.

Each, per trade pkt., 25c.; 3 pkts., 60c.; 6 pkts., $1.00. A pkt. of the new compact Alyssum to every order.

JOHN F. RUPP, Shiremanstown, Pa.

OSCAR KNOPFF & CO.

SEED GROWERS,

ERFURT, GERMANY.

Sole Agent for the United States and Canada:

M. RUTTENAU, 15 to 25 Whitehall St., New York.

Trade Catalogues and estimates cheerfully furnished Orders promptly filled direct from nurseries at Erfurt

See our Xmas adv. in this paper. Kennicott Bros. Co., wholesale cut flowers, 88 Wabash Ave., Chicago.

E. F. C. YOUNG, Pres. V. P. SNYDER, Vice-Pres.
JOS. D. BEDLE, Sec'y. H. S. FOWLER, Treas.
S. M. PEASE, Gen'l Mgr.

The Cleveland Seed Co.

Contract Growers of

Peas AND Beans

and General

JOBBERS IN SEEDS.

Cape Vincent, N. Y.

Jadoo Fibre and Jadoo Liquid ...

Sold in Chicago and New York at Headquarters Prices by VAUGHAN'S SEED STORE. Our customers commend it.

THE BEST FOR ALL Florists' — ROSE LEAF EXTRACT OF TOBACCO INSECTICIDE — FOR SALE BY SEED STORES. FOR FREE PAMPHLET WRITE TO LOUISVILLE SPIRIT CURED TOBACCO CO LOUISVILLE KY

For MILDEW on ROSES

CARNATION RUST, FRUITS AND VEGETABLES,

USE FOSTITE; 5 lbs. 50 cts.; 25 lbs. $2.00.

C. H. JOOSTEN, Importer of Bulbs, Plants, Seeds, 193 Greenwich St., NEW YORK.

FLORISTS FERTILIZER

Made from VIRGIN NIGHT SOIL by steam process—NOT Adulterated. Complete Fertilizer. Soluble, quick in action. Combines all the Elements for Nutrition of Plants. Pleasant to handle.

STANDARD FERTILIZER CO. Inc.

1822 Filbert Street, PHILADELPHIA.

It costs 4 cents for each 600 feet of floor space.

Kill and save the Blooms Bugs!

Does not injure the most sensitive plants. Endorsed by

Nikoteen

of prominent florists. Used for fumigating or spraying indoors or out. 200 pounds of tobacco in one plat of Nikoteen. Sold by seedsmen. Circular free. SKAEUCURA DIP CO. CHICAGO.

Quickly Does It.

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

THE ALBERT DICKINSON CO.

CHICAGO, ILL.

Grass Seeds

For Parks, Tennis Courts, Lawns, &c. In fancy 1 and 2 pound packages and bulk.

W. & D's. "SURE CROP"

MUSHROOM SPAWN

Hyacinths, Tulips, Narcissus, &c., &c.

SPECIAL PRICES TO CLEAR.

WEEBER & DON, Seed Merchants and Growers,

114 Chambers St., NEW YORK, N. Y.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

CLUCAS & BODDINGTON CO.

Importers and Exporters of

Seeds, Bulbs and Plants,

501 TO 503 W. 13TH ST.,

NEW YORK CITY.

Send for quotations on all Florists' Bulb Stock.

ESTABLISHED 1838 — DREER'S SEEDS — FRESH RELIABLE

TRY DREER'S GARDEN SEEDS,

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER, Philadelphia, Pa

Mention American Florist.

PALM Seed. FRESH ON HAND

	per 100	1000	3000
COCOS WEDDELIANA	$1.25	$10.00	$27.50
MUSA ENSETE	1.25	10.00	27.50

J. L. SCHILLER,

404 E. 34th St., NEW YORK CITY.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,

Lock Box 1528, BOSTON, MASS.

Correspondence solicited.

EXTRA CHOICE FLOWER SEEDS.

List free on application.

FRED. ROEMER, Seed Grower,

" " Quedlinburg, Germany.

Ferns.

PTERIS SERRULATA.
PTERIS CRETICA ALB. LIN.

Fine 2-inch plants for ferneries at $2.50 per hundred, to close out. Cash with order.

SONNENSCHMIDT & JUNGE,

456 East Washington St., INDIANAPOLIS, IND.

Flower Show Suggestions.

ED. AM. FLORIST:—I was very much pleased with the notes in a recent issue from Mr. A. H. Fewkes regarding flower shows EAST AND WEST with the exception of the part relating to staging the flowers. I must frankly admit that blooms with short stems look much better and last longer than with long ones where they are staged with one in a vase. However, this does not give full justice to the grower, who has been aiming to stage good stiff stems as well as fine blooms.

For instance an exhibitor stages Golden Wedding and Mayflower, thinking to score full points on stem and foliage, where he might just as well have staged Modesto and Mrs. H. Robinson, which would put the two former varieties in the back ground if all had 2 foot stems, but stage Modesto and Robinson with 3 feet of stem and they will for a certainty, be rubbing their noses into the necks of the ones in front of them.

I think it would be better to allow the exhibitor to stage his blooms to suit himself and if he can gain a point or so on stem let him have it. The society holding the exhibition can easily cut them shorter after the judges have passed on them or else let the society state in its premium list the limit in length the stem shall be as well as the limit in shortness, then it will be as fair for one as another.

JAS. HARTSHORNE.

S. A. F. Photographs at Newport.

I have received a number of complaints from parties who claim to have paid money in advance to the photographer, Frank H. Childs, for copies of the group photograph of the S. A. F. at Newport, but who have, up to the present time received no pictures. Four months is an unreasonably long time to have to wait and it is not reassuring to know that letters written to Childs in reference to the matter have failed to elicit any response. This is not the first time that trouble has come from paying money in advance for convention photographs and for which the best remedy in future would be for individuals to refuse to pay until they receive the goods as it is something over which the society can exercise no control. In the present instance, if all members of the society who paid money at Newport for pictures which have not been received will forward their names with such proof of the transaction as they may hold, to the undersigned, he will see what can be done to compel the photograper to fulfil his obligations.

WM. J. STEWART, Sec'cy.

Only Yourself to Blame

If your name is not found in the new 1898 Directory. We intend to make it just as complete as we possibly can.

No Charge Whatever

For changes, or new address. The time is short for receiving copy. Please note this fact.

American Florist Company,
324 Dearborn Street, CHICAGO.



PHIADELPHIA, December 7, 1897.

See last week's issue of the American Florist for reduced prices on my celebrated

"DIAMOND W P. BRAND"

...Mushroom Spawn

The quality UNSURPASSED. Get the best.

HOW'S THIS?

TOBACCO STEMS. (absolutely fresh). $8.00 per ton. Half ton lots at same rate; baled and delivered to depot.

WATSON'S BONE MEAL—Strictly Pure—(for florists). $30.00 per ton. Half ton lots at same rates; f. o. b. Phila.

VALLEY PIPS. Watson's Best Berlin. $12.00 per 1000. These are the very finest selection of 3 year pips, all large and uniform in size and carefully packed. Quality unsurpassed. I will sell in unbroken cases (2500) @ $11.50 per 1000; cash.

SPIRÆA JAPONICA; large clumps, well budded. $4.00 per 100.

SPIRÆA ASTILBOIDES FLORIBUNDA; extra fine clumps. $5.50 per 100.

George C. Watson, PHILADELPHIA, PA. .....Juniper below Walnut.

Mention American Florist.

FORCING

	PER 100
SPIRAEA ASTILBOIDES FLORIBUNDA,	$6.00
SPIRAEA MULTIFLORA COMPACTA,	6.00

Orders entered now for Spring delivery—for H. P. Roses, Clematis, Magnolias, Tree Roses, Hardy Azaleas, etc.

Branch of the Horticultural Co. Boskoop, Holland.

L. G. BOBBINK, Rutherford, N. J.

CYPERUS ALTERNIFOLIUS.
2½-inch pots . . . . . 40 cts. per doz.; $2.50 per 100

GREVILLEA ROBUSTA.
2½-inch pots . . . . . 40 cts. per doz; $2.50 per 100

ASPARAGUS TENUISSIMUS.
3 inch pots . . . . . 50 cts. per doz.; $3.50 per 100

CALIFORNIA VIOLETS.
Field-grown . . . . . $4.00 per 100

CARNATIONS.
Mapledale (new). . . . . $8.00 per 100

Medium sized plants of the following standard varieties, $4.00 per 100: Portia Wm. Scott, Della Fox, The Stuart, and Tidal Wave.

NATHAN SMITH & SON, Adrian, Mich.

The Cottage Gardens
QUEENS. L. I.

Specialties in CARNATIONS, CHRYSANTHEMUMS, CANNAS, GERANIUMS, DAHLIAS.

SEND FOR OUR PRICE LIST

	Per 100
SMILAX—Strong 1 year	$1.50 and $2.50
CLEMATIS—Leading kinds for fall	
PÆONIAS—Herbaceous, choice asst.	8.00
NARCISSUS—Double and single Poets	.75
RED JACKET GOOSEBERRIES—Very low prices.	
DOWNING GOOSEBERRIES—1 and 2 year.	
DAISIES—Snowflake and Snowdrift	2.00
H. P. ROSES—In assortment	10.00

F. A. BALLER, Bloomington, Ill.

Mention American Florist.

E. G. HILL & CO.
Wholesale Florists,
RICHMOND, IND.

Bargains in Bulbs

	Per 1000
Roman Hyacinths, 11-12 ctm.	$12.00
" " 12-15 ctm.	17.50
Single Dutch Bedding Hyacinths, in sept. colors.	20.00
" " Forcing "	25.00
" " Named " in sorts, 2nd size	30.00
" " " " 1st size,	45.00
Lilium Longiflorum, Japan, 6-8 inch	18.00
" " 7-9 inch	35.00
Narcissus Trumpet Von Sion	9.00
" " Princeps	7.00

CASH WITH ORDER.

HULSEBOSCH BROS.
ENGLEWOOD, N. J.

LILY OF THE VALLEY.

Just received, extra fine selected pips, per 1000, $11.00. Cash with order.

H. N. BRUNS,
690 W. Van Buren St. CHICAGO.

American Carnation Society.

PREMIUM LIST.

We are in receipt of the premium list of the American Carnation Society for the exhibition to be held in connection with the convention in Chicago February 17 and 18, 1898. Papers will be read at the convention by Prof. Arthur, of Purdue University, Mr. Fred. Dorner, of La Fayette, Ind., and Mr. Flint Kennicott, of Chicago.

Certificates are offered by the society for new varieties (50 blooms required) which have been grown three years, also preliminary certificates for new varieties (12 blooms required) which have been grown two years.

All seedlings will be judged under the following scale of points:

Color	15
Size	15
Calyx	15
Stem	15
Substance	10
Form	15
Fragrance	10
Plant	10
Total	100

To secure a certificate a carnation must score not less than 85 points, and all varieties which do score 85 points will receive certificates.

First premiums of $10 and second premiums of $5 each are offered in each of the following classes: Best vase (100) blooms, white, light pink, dark pink, scarlet, crimson, yellow variegated, white variegated and any other color.

First premiums of $4 each are offered for the best vase (50 blooms) of each of the leading standard varieties.

Various other premiums are offered, including liberal premiums by J. Breitmeyer & Son for Mayor Pingree, and E. G. Hill & Co. for Flora Hill and Triumph.

The silver cup offered by the Cottage Gardens is this year to be competed for by yellow or yellow variegated seedlings.

Contributions to the premium list have been made by the F. Dorner & Sons Co., Bassett & Washburn, H. Weber & Sons and the AMERICAN FLORIST.

The advertising pages have been liberally used by a number of firms.

Copies of the premium list may be had by addressing Albert M. Herr, secretary, Lancaster, Pa.

The premiums offered are very liberal, and the honor to be gained by winning is great. Let every one take his best and enter it for competition.

Do not forget that entries must be made ten days in advance.

FERNS...

In fine assortment, from 2½ in. pots, $3.25 per 100; $30.00 per 1000.....

CHAS. T. DARLING, Stony Brook, L. I. N.Y.

Pandanus Veitchii

FINE PLANTS.

7-inch pots, $1.50 each; $18.00 per dozen.
8-inch pots, $2.00 each; $24.00 per dozen.

JOHN WELSH YOUNG,
..... GERMANTOWN, PA.

Always mention the American Florist when writing to advertisers.

Azalea Indica

FINE PLANTS, WELL SET WITH BUDS. Per 100

10 to 12 inch crowns	$ 38.00
12 to 13 inch crowns	50.00
13 to 15 inch crowns	60.00

This stock is in fine shape, with bright, clean foliage.

ARAUCARIA EXCELSA.

Excellent plants in fine condition.

12 to 15 inches high	$12.00 per doz.
15 to 18 "	15 00 "
18 to 20 "	18.00 "

ASPARAGUS PLUMOSUS.

Strong, 2½ and 3-in. pot plants, $7 per 100; $60 per 1000.

LILY OF THE VALLEY.

Selected 3 year old Berlin Pips, $10.50 per 1000. Per Case of 2500 $25.00.

CRIMSON RAMBLER ROSES

Strong, two year field-grown plants with several shoots 3 to 5 feet long. This rose forces readily, an MAKES SPLENDID SPECIMENS FOR EASTER SALES. $12.00 per 100.

LILIUM LONGIFLORUM.

Japan grown. A few thousand left in prime condition. 5 to 7 $20 per 1000. 7 to 9 $35 per 1000.

LILIUM AURATUM.

7 to 9 inches	$4.00 per 100
9 to 11 inches	5.00 per 100

CANNAS. An immense stock, including THE CREAM OF THE NEW VARIETIES. President Cleveland, Tarrytown, Duke and Duchess of Marlborough, and others. Write for list and prices.

ORNAMENTAL TREES AND SHRUBS in large assortment for Yard, Street and Park planting. Also Fruit Trees, Grapevines and Small Fruits. ☞ *Catalogue and Trade List free. Correspondence solicited.*

THE STORRS & HARRISON CO., Painesville, O.

Palms,

Pandanus Veitchii,

Ferns and Araucarias,

IN ANY QUANTITY.

JOHN SCOTT.

Keap Street Greenhouses,

.... BROOKLYN, N. Y.

PALMS SEND FOR SIZES AND PRICES

EDWIN LONSDALE

CHESTNUT HILL. = PHILA. PA.

LATANIAS.

2½ to 3 feet high and wide, 9 to 11 large leaves, $2 00 each. Same size, $3 00 last season.

Areeas, Kentias & Pandanus Utilus.

Different sizes, fine stock, low prices.

J. W. COLFLESH,

53d and Woodland Ave., PHILADELPHIA.

PALMS.

Send for Price List.

JOSEPH HEACOCK,

WYNCOTE, PA.

We are now Booking Orders for that Peerless New Yellow DAHLIA

Clifford W. Bruton.

It is an early and profuse bloomer, while the flowers are of immense size and grow on very long stems. Address

W. P. PEACOCK, ATCO, N. J.

SEE

A. SCHULTHEIS, COLLEGE POINT, NEW YORK.

P. O. Box 78, Telephone Call 51 F.

FOR

PALMS

AND

FLOWERING PLANTS

FOR XMAS!

ERICA FRAGRANS from 50c. up. Specimens over 3 feet high, about 2 feet in diameter, extra fine.

ERICA WILMOREANA, pink trumpet, a grand lot from 50c. up.

CYCLAMEN PERSICUM PLANTS from 25c. up. We have over 200 large plants with crowns, from 10 to 14 inches across.

AZALEAS from $6.00 per dozen to $5.00 each, a few extra large plants.

Take trolley car, only 5 cents from Long Island City; or train North Shore Division, College Point, depot opposite my greenhouses.

Several extra fine METROSIDEROS.

ROBERT CRAIG

Roses, Palms

and Novelties in Decorative Plants,

Market and 49th Street, PHILADELPHIA, PA.

A. FARLEYENSE,

Extra strong plants from 3-inch pots in excellent condition at $3 per dozen; $20 per hundred.

NEPHROLEPIS EXALTATA at $5.00 per hundred.

NEPHROLEPIS EX. BOSTONIENSIS, at $5 per hundred.

NEPHROLEPIS CORDATA. Fine for Fern dishes or specimen plants at $6.00 per hundred.

PTERIS TREMULA all sold.

A few PTERIS SERRULATA at $3.50 per hundred, strong.

R. WITTERSTAETTER,

SEDAMSVILLE, OHIO.

Marechal Niel not Blooming.

I have a house running north and south devoted to roses. In it I have a Marechal Niel rose eleven years old, which has bloomed very sparingly for three or four years. Every year it makes a most luxuriant growth, yet nearly every shoot is blind. Can any of your readers suggest a remedy? The rose in question is planted in a solid bed at north end of house; temperature same as for Brides, etc.

Stamford, Conn. SUBSCRIBER.

The Marechal Niel requires a season of rest to ripen wood and develop buds. If "Subscriber" will stimulate strong growth in spring by giving several waterings of liquid manure, cutting out all small wood, then during summer, say for two months or ten weeks, allow the plant to dry off and rest, then towards fall trim off some more of the surplus brush, tie up his strong canes and gradually start it into growing, he should have no trouble in having splendid Niels in his house with Brides. J. G. H.

Alliance, Ohio.

Notwithstanding the unseasonable weather, market conditions are rather favorable, and business on the whole is reported to be most gratifying. A visit to Mr. L. L. Lamborn's place is worth recording. Your correspondent found that gentleman exceedingly busy, though, as usual, in the best of humor; between preparing funeral work, superintending a small army of men, and getting out the flowers for his Canton flower store on the early morning train, there was a hustle and bustle, something akin to the proverbial bee hive.

Since my last visit Mr. Lamborn's greenouses have undergone a general overhauling, quite a number of improvements having been introduced throughout. His new carnation house, covering 52x100, is decidedly one of the finest commercial houses of the kind to be found in the Buckeye State. Mr. Lamborn grows a general stock, though roses and carnations are his specialties. Both look healthy, vigorous and in the best of condition.

And now comes florist Zimmerman with his sport of Daybreak! It is a beauty, to be sure, but there are others, chief among them being Mr. Graham, of Philadelphia, with his "Victor." Verily, to Mr. Graham belongs the victory, he having been the first to introduce this magnificent carnation on a large scale. That the "Victor" has achieved a victory and has come to stay, seems to be the opinion of many prominent members of the craft.

HOMO.

PRIMULA CHINENSIS, 2-inch pots.....$2.50 per 100, $20.00 per 1000

PRIMULA, transplanted seedlings, from flats $1.50 per 100.

FERNS, 3-inch pots.....$5.00 per 100

CARNATIONS. Field grown Lizzie McGowan and Scott. Write for prices.

VIOLETS. Marie Louise, strong field grown. Write for prices.

HYDRANGEA HORTENSIS, rooted cuttings.....$2.00 per 100

SWAINSONA.....$2.00 per 100

ABUTILON Souvenir de Bonn and Golden Fleece...$3.00 per 100

GERANIUMS. Rooted cuttings.....$1.50 per 100, $12.00 per 1000

C. LENGENFELDER.

Lincoln and Bertean Avenues, CHICAGO.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

NEW CARNATION

"Mrs. S. A. Northway"

A soft shell pink, developing to nearly pure white.

OUR MASTERPIECE.

We shall commence shipping soon.

Orders booked **now** and filled in **rotation.** . . . .

PRICE: PER 100, $10.00. PER 1000, $75.00.

Newer Geraniums.

Mme. Bruant, Mme. Jaulen, Fleure Poitevine, J. Sallier and J. Ricaud. Fine stock from 2¼-inch pots, $5.00 per 100. ROOTED CUTTINGS, $3.00 per 100: $25.00 per 1000. Net cash.

GENERAL LIST OF GERANIUMS.

A superb stock in quality and variety of all the finest sorts, from 2¼-in. pots, named, $25 per 1000; unnamed, $20 per 1000. ROOTED CUTTING, $12.50 per 1000. Net cash.

Fuchsias.

A grand lot of summered-over stock in small pots that will make early blooming plants, $3 per 100.

W. P. SIMMONS & CO.

Make the following statement to the readers of the American Florist.

As originators and introducers of
"Silver Spray,"
"Tidal Wave,"
"Daybreak,"
and "Rose Queen,"

each of which has, we believe, proven even better than we claimed for them. We NOW say for 1898 that

"Mrs. S. A. Northway"

possesses all the good points that go to make up a **first-class** and **profitable** cut flower sort, and that we introduce it with even more confidence than we did the others.

It is an extra strong grower.
It is free from rust or disease.
It is a profuse bloomer.
It has exceedingly strong stiff stems.
It is of exquisite form full and double.
The flower is high built, petals serrated.
The calyx does not burst.
It is delightfully fragrant (a quality lacking in many new ones.)

OUR PRICE LIST now ready, contains prices on many other plants. SEND FOR IT.

W. P. SIMMONS & CO., Geneva, Ohio.

FIREFLY

A RUST PROOF .....CARNATION.

Bright scarlet and positively **RUST PROOF**. It is as prolific as Scott, of good size and form, and its keeping qualities are unsurpassed. We have tested it four years.

Our stock also includes all the Novelties of '97 and '98. Send for prices.

GEO. HANCOCK & SON, Grand Rapids, Mich.

50,000 Flat-Grown CARNATIONS

STRONG STOCK.

	per 100	per 1000
Daybreak	$2.00	$15.00
Scott	2.00	15.00
Rose Queen	2.00	15.00
Tidal Wave	1.50	12.00
Portia	1.50	12.00
Rob Roy (new)	10.00	
Jubilee	5.00	
Snow Queen	10.00	
Silver Spray	1.50	12.00
L. McGowan	1.50	12.00
Eldorado	2.00	
Meteor	2.00	
Flora Hill	5.00	
Triumph	3.00	
Armazindy	3.00	

Cash with order. HENRY A. NIEMEYER, Erie, Pa.

Fine Cyclamen Giganteum.

In 4 & 5-in. pots. Also **Ferns** and **Begonias.** Some extra fine **Begonia Speculata** in 2½, 3 & 5-in. pots. Also a lot of **Bermuda Buttercup Oxalis** in 2½ & 3-in. which I will exchange for other stock. Those having any stock to exchange for same will please write

N. O. CASWELL, Delavan, Ill.

DELAVAN GREENHOUSE.

BAKER'S

NEW CARNATIONS.

Grown and tested five years.

ONEIDA—Pure pink, healthy; no rust; continuous producer; largest size bloom.

RED JACKET—Bright red, fine stem and calyx; continuous cropper. **$10.00 per 100.**

Orders booked now to be filled in rotation as fast as rooted.

C. F. BAKER, Utica, N. Y.

XXX HOLLY

WE HAVE IT — WIRE FOR IT. WRITE FOR IT

Vaughn's Seed Store

NEW YORK CHICAGO

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Bangor, Me.

"Compared with previous seasons, business, it may be said, is in a flourishing condition" remarked a leading florist to your correspondent during a recent visit. Such and similar reports come also from various parts of the Pine Tree State and taken all in all, there is no gainsaying the fact that things have assumed a much brighter aspect.

The most notable event of the season, thus far, was the Peirce-Hubbard wedding. As usual on such occasions florist Sekenger was master of ceremonies and his artistic decoration was highly commended on all sides. The drawing room, where the ceremony took place, was transformed into a sort of fairyland, palms, ferns and Asparagus plumosus having been used in profusion and to splendid effect. Two immense kentias, placed in the center of the room, formed a bower under which the bridal couple stood, this arrangement being unique as well as attractive.

Mr. Sekenger's general stock is in splendid condition. HOMO.

Des Moines.

At this writing the outlook for Christmas flowers is very poor. Roses are off crop and carnations are not producing many flowers. In fact, the entire cut is not one-quarter that of former years at this season. Bulbous stock is only tolerably good yet. Violets scarce.

The annual meeting of the Des Moines Florist Club was held at J. F. Marshall's Monday evening. The following were elected officers for next year: Peter Lambert, president; John Lorenz, vice-president; Julius Ledig, treasurer; J. T. D. Fulmer, secretary. The club will attend the convention at Omaha in a body, and from the talk one is led to believe there will be no lack of enthusiasm.

The State Horticultural Society meets in our city to-day (14th) and some good papers are looked for. J. T. D. F.

Greenhouse Building.

West Kennebunk, Me.—S. W. Perkins, one forcing house.

Rutland, Vt.—House of Correction, one greenhouse.

Merrimac, Mass.—William Larkin, one greenhouse.

Yorkville, Pa.—C. Sharpe, one greenhouse.

Queens, N. Y.—James Vandeveer, range of forcing houses.

West Chester, Pa.—M. Meyer, three greenhouses.

Wakefield, Mass.—R. L. Pittman, one commercial house.

Waltham, Mass.—E. A. Emerson, one conservatory.

Experiences
... WITH ...
CARNATIONS

Ready now. Send me your address on a postal and receive them regularly, during the season.

ALBERT M. HERR,
..... LANCASTER, PA.

...NEW CARNATIONS...

WHITE CLOUD.
White, large, fragrant flowers; strong habit, constant bloomer. A. C. S. Certificate.

NEW YORK (Ward).
Bright cerise pink. Strong, vigorous habit. Early. Certificate.

MRS. JAMES DEAN (Ward).
Clear, silvery pink, strong habit, constant bloomer. Certificate.

GOLD NUGGET.
Best yellow, only slightly marked with red. Strong habit, constant bloomer. Missed A. C. S. Certificate by one point for lack of fragrance.

JOHN YOUNG (Ward).
White, fragrant, free bloomer, strong habit.

BON TON (Ward).
Scarlet, strong habit, resembling Portia

Prices for above varieties, $2 per dozen; $10 per 100; $75 per 1000.

WE HAVE all the principal 1897 Novelties and other Standard varieties at lowest prices.

F. DORNER & SONS CO., LA FAYETTE, IND.



ROOTED CUTTINGS.

Bridesmaids	$1.50 per 100, $12.50 per 1000, Cuttings.	Daybreak	$1.50 per 100, $12.00 per 1000.
Brides		Triumph	
Perles		Emma Wocher	
La France		Meteor	
Meteors		Goldfinch	
Kaiserin		Lizzie Gilbert	
		Harrison's White	
		Bridesmaid	
William Scott	$1.00 per 100. $7.50 per 1000.	Flora Hill	$3.00 per 100, $25.00 per 1000.
Nancy Hanks		Morello	
Tidal Wave		Nivea	
Portia		Mayor Pingree	
Lizzie McGowan		Jubilee	
Kohinoor			

REINBERG BROS., 51 WABASH AVE., CHICAGO.

BON TON Grand New Scarlet Carnation

$10.00 per 100. $75 per 1,000.
Flora Hill, the finest white—$5.00 per 100. $40.00 per 1,000.
G. M. Bradt, the finest variegated. $6.00 per 100. $50.00 per 1,000. January Delivery.

H. F. LITTLEFIELD, - Worcester, Mass.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

H. WEBER & SONS,
CARNATIONS,
OAKLAND, MD.

Carnations Going to Sleep.

Am troubled with carnations closing up next day after being cut, and cannot account for it. Can you give me any light on the subject? They are grown as cool as was possible, considering the warm weather we have been having. We have a nice cool store in which to keep them, but they are all worthless the second day. G. A. H.

This is rather a hard question to answer, simple as it appears. To hit the right cause of so many reasons that may be responsible for it one should have the power of a clairvoyant and know their full past treatment. I have had some very poor flowers, but not so poor that they would not keep from the day of cutting to the next.

The first care should be given to the place where they are kept, and the receptacle and water they are placed in; and here I will call attention to the fact that gas in the slightest perceptible quantity has sent many a carnation bloom to sleep where the cause has been attributed to something else, generally to the weakness of the variety or the inability of the grower. Still the flowers may be of poor substance. Then the cause has to be looked for in the soil, nourishment, and poor ventilation. I have noticed that flowers when grown in a rather high temperature and placed in cold water in a cold room were wilted the next day. The sudden shock destroyed all power to absorb water.

The lack of potash is chiefly the cause of flowers being of poor substance. The flowers may be left too long on the plants, but to my mind, in either case, if otherwise uninjured, when cut and placed in water the flowers should keep until the next day. I would advise Mr. G. A. H. to look first for the cause of his trouble in his store. FRED DORNER.

Special Offer to Subscribers.

Any *subscriber* will be allowed a commission of 50 cents for each new paid subscriber obtained by him. If your own subscription is paid, get as many new subscribers at $1 each as you can, send in 50 cents for each one and keep the balance.

WANT ADS. FREE TO SUBSCRIBERS. Every paid subscriber is entitled to one 5-line want advertisement (worth 50 cents) published once, FREE. If you do not need it now you can have it at any time before your subscription expires.

Carnations—Notes on Varieties.

Mr. Albert M. Herr, of Lancaster, Pa., has issued a circular giving his experience with the newer carnations. From it we extract the following:

WHITE.—Among the whites Flora Hill is ahead of all others. Harrison's White is a sport from Scott, and has many of the characteristics of that variety, but seems, wherever I have seen it growing, a bit late in coming into bloom. Lizzie McGowan, long the best white, now is second only to Flora Hill. Alaska has many friends and is a really good sort where it does well; but it does not do well in all soils. Mrs. Fisher is a good one for summer blooming, but I never saw real fine flowers in the house. Nivea also has made a name for itself in the east, but mine up to date are not much of a success.

PINK.—Am growing Triumph for main supply. Emma Wocher has made excellent growth and is full of bloom. Victor gives promise of being a good one—fuller and stronger than Daybreak, from which it sported. Abundance is good when quantity is wanted more than quality. Good for summer

SCARLET.—Jubilee leads all others. For best results cuttings of this variety should be struck in January.

YELLOW.—El Dorado has both quality and freedom of bloom, but I never saw it free from rust. However, if a variety is good rust does not bother me. It is not so serious a matter as has been supposed. Yellow Jacket has done remarkably well up to date.

CRIMSON.—Iago is not large, but good shape, long stems. Maceo and Empress are both of good merit, and will probably take the place of all others in this color.

STRIPED.—Helen Keller with me is always fine. Armazindy will do well with every one, and is the greatest bloomer of any carnation I know of. Mrs. Bradt sent out last season, has caught the popular fancy and is certainly a fine flower.

CERISE OR RED.—Thomas Cartledge is an excellent variety in every way, and the only one of this color that it really pays to grow.

SALMON OR LIGHT PINK.—Daybreak, of course, leads all others Della Fox has not been much of a success with me. Mrs. McBurnie, sent out by Hill last season, is doing well with me.

Chinese Primroses



Handsome Plants
All Colors
Finest Strains

$15.00 PER HUNDRED

CHAS. TRAUTH,

410 Lincoln Ave., BROOKLYN, N. Y.

100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants, $2.50 per 100; $20 per 1000. Rooted Cuttings, 75c per 100; $6.00 per 1000; $50 per 10000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

50,000 SMILAX by mail, 50c per 100, $4.00 per 1000.

GERANIUMS mixed, from 2 in. pots, $2.25 per 100, $20.00 per 1000.

Send for samples.
Cash with order. FRED BOERNER,
CAPE MAY, N. J.

VERBENAS.

The finest collection in America, 35 varieties, every one a gem—mammoth size, striking colors, green as grass and as clean as a whistle. Rooted Cuttings, 60 cts per hundred; $5 00 per thousand. Strong plants, full of cuttings $2 00 per hundred.
STRICTLY CASH WITH ORDER.
SOUTH SIDE FLORAL CO., Springfield, Ill.
Mention American Florist.

CHRYSANTHEMUMS.
STOCK PLANTS FROM BENCH.
Marion Henderson, Montmort, Ivory, Pink Ivory, Queen (white and yellow), Wanamaker, etc.
Also a large collection of the best Ostrich Plume varieties. All $1.00 per dozen; $5.00 per hundred.
CHAS. L. MARSHALL, 67 Merrimac St., Lowell, Mass.
Mention American Florist.

ROSES.
FIELD-GROWN, OWN ROOTS.
No. 1, two to four ft., cut back to two ft.
Marechal Niel, Yellow Rambler, Hybrid Perpetuals, Mosses, Hardy Climbers, Madame Plantier, and Wichuraiana.
All on own roots except Marechal Niel, which are grafted on non sprouting roots. These plants are very strong and well shaped. Prices on application. ADDRESS
W. F. HEIKES, Mgr., Huntsville, Ala.

BOUGAINVILLEAS.
Beautiful for "cutting" or pot sale.
Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests.
Send for "Comments and Facts."
THEO. F. BECKERT, Glenfield, Pa.
9 miles below Pittsburg, Pa.

Chinese Primroses....
FOR THE HOLIDAYS. Fine plants in bud and bloom in 4 separate colors (single and double), my selection from 3-in. pots, $4 00 per 100.
Rooted Geraniums, prepaid, double Grant, S. A. Nutt, La Favorite, Mme. Salleroi, Ivy leaf Geraniums in six colors, strong and well-rooted, $1.50 per 100; from 2½-in. pots, $2.50 per 100.
Begonia Argentea Guttata, from 2½ in. pots, $2.50 per 100; rooted cuttings, $1.50 per 100.
SATISFACTION GUARANTEED.
PAUL MADER, East Stroudsburg, Pa.

GERANIUMS.
Grand Bedders; also New and Fancy kinds. Plants $1.30 per 100 by express; $1.60 by mail.
PANSIES 50 cts. per 100 by mail; seed, 1000 20 cts.
Begonias, Coleus, Pelunias, Verbenas, etc. A list and further information any time.
DANIEL K. HERR, Lancaster, Pa.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

Review of the Chrysanthemums Disseminated 1897.

REPORT BY ELMER D. SMITH, SECRETARY CHRYSANTHEMUM SOCIETY OF AMERICA.

MIDGE. First flowers marketed September 28. Larger than Bergman. A splendid pot plant also. Foliage rather dense for close planting.

MERULA. All who grew this are well pleased so far as heard from. Foliage and habit like Perrin; flower light pink and earlier. Also good for pot plants.

MRS. JOHN J GLESSNER. Fine flower; strong grower; keeping qualities excellent.

CHITO. A very large flower; good in the way of variety for exhibition collections.

MRS. MARTIN A. RYERSON. Very artistic and graceful; from late bud building high and interlacing.

SUNSTONE. Has many admirers; color pleasing; habit strong.

WESTERN KING. Difficult to propagate, but one of the finest in every particular. Foliage, stem, color, form and size unwonted.

MIZPAH. Excellent as a decorative variety; easy to grow and free.

ADELAIDE and ALLEGRO will be given further trial before making any comments.

BELLE OF CASTLEWOOD. Very promising; fine habit. Our stock planted late so cannot vouch for its earliness.

CASCO. A distinct color, bright garnet, and possesses all the qualifications for a good pot plant variety.

CASTLETON and C. W. WARD were disappointing; will give further trial.

DEFENDER was not what we expected to see. Color is good, but flower ill-formed; earlier planting may remedy this defect.

EVANGELINE. Was shown in good form at many shows.

GEO. S. KALB. A very promising early white.

GOLDEN TROPHY. A very good second early yellow.

HENRY NANZ. Yellow sport from Mrs. Jerome Jones, having a tinge of bronze on outer petals. Habit same as parent.

KENTUCKY. Commercially of no great value, although useful for exhibitions.

MRS. R. D. DOUGLASS. A very promising yellow; color, form and habit all good.

MRS. R. MCARTHUR. A very good incurved white. It would not be surprising if it becomes very popular when better known.

THE HARRIOTT. Very late, but of no great value otherwise. The flowers are not yet finished.

Balance have been rather indifferent with us. Commercial places are not always best authority on these subjects the first year, as they are often obliged to plant late for want of stock, particularly so if the variety is slow in making cuttings.

[Mr Smith's report was received too late for publication in last issue.—ED.]

A NEW INSECTICIDE. Kraft's Plant Tonic, a new preparation made by N. J. Kraft & Co., Rockford, Ill., is claimed by the manufacturers to be not only sure death to insects but to greatly improve plant growth and leaf coloring. It can be used for all greenhouse plants but is especially adapted to palms and foliage plants.

Sharp Practice.

J. F. Sullivan, of Detroit, Mich., lost fourteen large palms recently in a peculiar way. At the request of a stranger, he delivered the plants to the residence of Mrs. C. E. Lothrop, at 613 Jefferson avenue. When the driver called to deliver the plants the stranger was there to receive them and ordered them put in the barn in order that the pots could be cleaned. In the meantime he had gone to the Lothrop residence and asked permission to store the plants in the barn for a few hours. His request was granted and later in the day he called and removed them. When Mr. Sullivan's driver called after the plants he was informed that the Lothrops did not order them and that they were taken away by the well dressed stranger. The police are looking for him.

The Yellow Fellow Winner of the $100 high grade Stearns Bicycle Prize in a strong competition. It gives a large, graceful bloom under ordinary treatment and can be grown a "whopper" for exhibition. Bud tinted bronze, maturing rich bright yellow; constitution ironclad. Mid-season variety. 50 cts. each; $3.00 per dozen

Wm. H. Chadwick A phenomenal seedling, the grandest of the year. A star production. Certificated at Chicago, Boston, New York and Philadelphia. An immense, graceful incurved bloom, waxy white, occasionally tinted pink. Growth, habit, stem and foliage simply perfect. Mid-season or late. Anybody can grow it satisfactorily. It cannot be praised too highly. Per single plant, $1.00; $6.00 per dozen.

Madeline Pratt Certificated 1896. Named for the sweet little miss on the Chrysanthemum certificate; snowy white, high built bloom. A very beautiful flower. Early mid-season. Best four terminals grown cool. 35 cts. each; $5.00 per dozen.

Strong, healthy young stock from 2½-inch pots distributed March 1st. Advance orders already numerous.

.....GROVE P. RAWSON, Elmira, N. Y.

CHRYSANTHEMUM STOCK PLANTS

Any of the following at $1.50 per dozen; $10.00 per 100.

Alcazar, Beaute Lyonnaise, Buff Hairy, Constellation, Crystallina, Chas. Davis, Defender, Eugene Dailledouze, Enfant de Deux Mondes, E. M. Bigelow, Evangeline, Golden Wedding, Geo. W. Childs Geo. Bramhall, Gretchen Buettner, Golden Hair, Golden Trophy, H W. Reiman, Ivory, Ida, Joanna, Jayne, Louise Boehmer, Loriel, Miss Minnie Wannamaker, Mrs. Jerome Jones, Mrs. J. G. Whilldin, Major Bonnaffon, Mme. F. Berkman, Mayflower, Mrs. W. H. Rand, Mrs. Moses J. Wentworth, Mrs. Col. J. Thompson, Mrs. Potter Palmer, Mrs. Higinbotham, Miss M. M. Johnson, Mrs. S. T. Murdock, Mrs. H. Robinson, Milbrook, Mrs. A. J. Jones, Miss May Williamson, Merry Monarch, Mrs. Perrin Modesto, Midnight, Marion Cleveland, Miss Agnes L. Pelsky, Mrs. L. Peabody, Mrs. Geo. J. Magee, Margaret Jeffords, Mrs. Martin A. Ryerson, Niveus, New York, Oakland, Philadelphia, Paul Noisette, Pitcher & Manda, Reine d'Angleterre, Shavings, Sunclad, The Queen, The Times, Thanksgiving, Vivland-Morel, William Simpson, White Swan, Yellow Queen, Yanoma, Yellow Monarch.

14 Barclay St. NEW YORK **VAUGHAN'S SEED STORE** 84-86 Randolph St. CHICAGO

CHRYSANTHEMUM FRANK HARDY. THE SENSATION OF THE SEASON

Certificated by the committees of the Chrysanthemum Society of America at New York, Chicago, Boston and Philadelphia.

First prize among whites wherever exhibited. The best mid-season white to date and indispensable to every grower whether for exhibition or the cut flower trade. Plants ready March 1st and orders filled in rotation.

Price, per plant, 50c.; per dozen, $3; per 100, $20; per 1000, $150. 25 at 100 rate; 250 at 1000 rate.

A. HERRINGTON, FLORHAM FARMS. - - MADISON, NEW JERSEY

E. G. HILL & CO. ROSES, CARNATIONS, PALMS, AND OTHER PLANTS. RICHMOND, IND.

SPECIALTIES IN BEST VARIETIES.

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.

Any Canadian Florist

Who wishes to have his name in the new Directory can do so by sending a business card or letterhead.

WRITE US

For rates on advertising in the Directory. It is a good medium the whole year round.

AMERICAN FLORIST COMPANY,
324 Dearborn Street, CHICAGO.

JUSTICIAS VELUTINA, NERVOSA FLAVA 2½-inch $8.00 per 100.

Strong plants AERVA SANGUINEA, $5.00 per 100.

THE CONARD & JONES CO.,
WEST GROVE, PA.

Cleveland, O.

BUSINESS FAIR.—SUNSHINE IS WANTED.—WHOLESALE HOUSE CHANGES HANDS.—STOCKS OF FLOWERS NOT LARGE.

Nearly all the growers upon whom your correspondent has called lately, have said that they could sell their stock readily enough, but they all add the statement that they can't cut much stock. A little sun would do a good deal toward helping matters, but his solar majesty stubbornly maintains a position behind various impenetrable clouds and absolutely refuses to come out and show himself. It has rained nearly every day for over a week.

The stores report business as quiet in general, a little funeral work at times helping to keep the landlord satisfied at least. One or two report business as fairly good, but nothing better than it should be, or in fact must be, at a time of year when the florist expects to get a little ahead, if he ever shall.

The establishment heretofore owned and run by Heiser & Co., has been rented by Bates Bros., who intend seeing what can be done with it; the houses are all stocked, mostly with roses and violets. They will do a wholesale business.

The stock of flowers is not large either as to quantity or variety with any one at present, so nothing goes to waste which is one good thing, tending to help stiffen prices a bit.

Monday evening, December 6, was devoted, by the bowling club to the entertainment of their lady friends. A very enjoyable evening was spent by all who were fortunate enough to be present. The 20th of the month is again bowler's night.

Mr. Martin Reukauf, representing Bayersdorfer & Co., of Philadelphia, has been in town lately. A.

Manure for Roses.

A subscriber living in North Carolina asks an opinion as to the advisability of using horse manure in preparing the compost heap for next season. To secure cow manure he says, they must haul it twelve miles, whereas he can obtain near home without cost, well rotted horse manure in any quantity. Unless the soil is very heavy I prefer cow manure every time for composting as it is not so apt to fill the soil with fungus as is the lighter article from the stable; still if I could get the latter well rotted and for nothing I should feel strongly tempted to use it in preference to carting the other from a dairy twelve miles distant. As to the question, "Can we grow good roses in it?" I would answer, what has been done may be done again; there are those who prefer it, and others again make use of it because they have no choice, but succeed sufficiently well to show that there are things in rose growing more difficult of solution than the question of whether we shall use horse or cow manure in the compost.

ROBT. SIMPSON.

DIXON, ILL. — The business of Wm. Pankhurst, continued by Mrs. Pankhurst since his death, has now been discontinued and the greenhouse plant is for sale.

Jardinieres, Pots AND Pedestals



ADAPTED TO

Florists' Use.

Artistic Shapes and Decorations.

Write us for Illustrations and Prices.....

BURLEY & TYRRELL, 42=44 Lake St., CHICAGO.



FANCY



DAGGER

HARDY FERNS

WARRANTED FIRST QUALITY.

SPECIAL ATTENTION PAID TO SUPPLYING WHOLESALE DEALERS.

Write for Prices.

—ALSO DEALER IN—

BOUQUET GREEN, SPHAGNUM MOSS, CHRISTMAS TREES,

Etc., Etc., Etc.

L. B. BRAGUE, - Hinsdale, Mass.

☞Oldest, Largest, and Most Reliable Dealer in the United States.

ROSES

All on Own Roots

Our Own Growing

A SPLENDID LIST OF

HYBRID PERPETUALS,

MOSSES and CLIMBERS,

Field-grown, dormant, 2 years.

ALSO A SUPERB LIST OF

HYBRID PERPETUALS,

HYBRID TEAS and

EVER-BLOOMING ROSES,

in 4-inch pots.

List of varieties and prices sent on application.....

PHOENIX NURSERY COMPANY,

Established 1852. P. O. Box 625. BLOOMINGTON, ILL.

Pittsburg.

Business has been of the quist order that prevails just prior to the Christmas rush, and it looks now as if the holiday trade would be up to the standard. Stores are as usual putting on their Christmas trimmings, the main part of which consists of laurel wreathing in festooned and outline effects. Christmas trees are coming in freely, the bulk of them from Massachusetts. Ground pine from the East has the preference for quality this season. Holly is very good. Prices on all this kind of stock will be about same as last year, holly excepted. There was a large overstock of it last Christmas, with the very natural result of a slump in price, which is not likely to happen now.

Mr. Wm. Flemm, manager for N. Patterson, Market and Liberty, reports business fair, he is anticipating their usual holiday business, and no doubt his expectations will be realized, for their location is one of the best and their clientage of the reliable stick-to-a-house kind.

Some of the Allegheny florists have been offering tulips in bloom, in a pan, and have found good sale for them at from 50 to 75 cents; they were grown chiefly by Mr. Koenig of Millvale, Pa.

The Pittsburg and Allegheny Florists' and Gardeners' Club held a regular meeting on Thursday night, 9th inst., with quite a fair attendance; it was a "social" with refreshments as well as a business meeting. The executive committee will meet and endeavor to arrange for something that will bring about an increase of interest and improve the club. There will not be any meeting until January 13, the one scheduled for December 23 being entirely too close to Christmas to even hint at the probability of a quorum attending, therefore it was abandoned. Election of officers for ensuing year will be the main object of interest at our next meeting. REGIA.

Sandusky, O.

"The Christmas of '97," remarked Mr. J. C. Gooding to your correspondent during a recent visit, "bids fair to surpass that of a year ago by a good margin; all we want is some of that old-fashioned Christmas weather and things will come our way in fine shape."

The weather during the past week has been anything but seasonable.

Two carnation houses, each covering 20x100 built in fine style and equipped with all the modern appliances, have been added during the past summer to Mr. Gooding's plant. Strolling through the houses I noticed among other things that the Carnot rose is doing remarkably well, the flowers being large and perfect, the foliage fine and vigorous.

"Any special treatment?" "Nothing of the kind," replied Mr. Gooding, "We simply treat them in the ordinary way; the right sort of soil at the start, proper ventilation and no overwatering,—therein lies the whole secret." The Carnots as grown by Mr. Gooding are well worth seeing.

The decoration on the occasion of the Elk's annual banquet, was one of the finest that was ever attempted in town, Mr. J. C. Gooding, an Elk of no mean calibre himself, being master of ceremonies. HOMO.

Newport, R. I.

At the last meeting of the Newport Horticultural Society, a large group of exceptionally well grown begonias was on exhibition, and the display was much admired. The committee on awards granted two certificates to Robt. Laurie gardener for Cornelius Vanderbilt. Those two awards were for Begonia Socotrana and Begonia incarnata (improved). A series of lectures has been arranged by this society, viz: On December 22d, next, illustrated lecture by Mr. J. K. Farquhar, of Boston; on January 26, illustrated lecture by Prof. H. J. Wheeler, Ph.D., of the R. I. Agricultural College, on "Experiments with Lime on Various Crops;" and on February 23, on "Influence of Horticultural Societies," by Prof. L. F. King, of the same institution.

The annual election of officers of the society will take place January 12, and a general shaking up of the society's affairs is talked of.

Mr. John Allan, manager of the Caswell greenhouses, has six houses under carnations, principally McGowan and Scott. He is also cutting some nice Brides and Bridesmaids. A house of fine smilax is going to waste, and brought forth the statement that it would not pay to pack, ship and sell same for six cents a string.

Mr. G. McIntosh has leased the greenhouses on the estate of millionaire J. J. Van Allen.

Secretary W. J. Stewart, of the S. A. F., was in this city on the 11th inst.

J. J. BUTLER.

READING, PA.—W. N. Leene has opened a store at 532 Penn street.

Now Seasonable.

December Circular *free.*

HOLLY....

Our XXX Brand
The Good Kind

is none too plenty this year. Price now, **Per Single Case $4.75,** subject to change. Get our latest price by wire.

SOUTHERN HOLLY, best of its kind. Per Case $3.75

☞ **We can take care of your HOLLY ORDERS.....**

Bouquet Green....

Best grade; price low. Write or wire for latest quotations on Crate or Carload. We can positively save you money on this.

Evergreen Wreathing uniform in size.

We manufacture this ourselves from finest "Indian picked" green.

	Per 100 yds.	Per 1000 yds.
Light	$2.50	$23.00
Medium	2.75	25.00
Heavy	3.25	30.00

Holly Wreaths.... Doz. $1.50; 100 11.00; 1000 97.50

Evergreen Wreaths Doz. $1.10; Decorated with red or yellow Immortelles. 100 7.00; 1000 67.50

Mistletoe 10 lbs. $1.75; 25 lbs. $3.75

Rattan, 10 lbs. $1.80.

LILY OF THE VALLEY PIPS.
"PREMIUM" fancy stock 100 $1.50; 1000 $12.25
"INTERNATIONAL" 100 $1.35; 1000 $10.00

TUBEROSES. True Excelsior Pearl. Hallock strain. First size. 100 $1.25; 1000, $8.00

14 Barclay Street, NEW YORK.

Speaking about **FLORISTS' SUPPLIES,** we have been tinkering away at this line of work ourselves for about 20 YEARS. We ought to be able to sell you by this time, don't you think? There are mighty few wholesale men who are not SPECIALISTS in this line. Here are a few sample PRICES.

WIRE DESIGNS.

PERFECT IN SHAPE.

Here are a few sample prices; 33 per cent off, more if you buy big.

CROSSES. FLAT.

Inch.	Price.	Inch.	Price.
8	$ 02½	20	$ 08
10	.03	22	10
12	.04	24	12
14	.05	27	15
16	.06	30	20
18	.07	33	30

WREATHS. FLAT.

Inch.	Price.	Inch.	Price.
6	$ 01½	11	$ 06½
7	02½	12	.07½
8	03½	14	.09
9	04½	16	.10
10	05½	18	.14

ANCHORS. FLAT.

Inch.	Price.	Inch.	Price.
8	$ 05	18	$ 16
10	08	20	18
12	10	22	20
14	12	24	23
16	14	30	35

Wheat Sheaves

AS GOOD AS IT IS POSSIBLE TO MAKE THEM.
20 per cent off these prices.

Flat, A, each	$ 15
" B, "	25
" C, "	35
" D, "	45
" E, "	55



DOVES ...

WE PACK THEM TO REACH YOU IN GOOD SHAPE.

First-class Birds, each $1.15; dozen $12.60.

Second class Birds, each $0.95; dozen $10.50.

Sphagnum.

This is MOSS, not leaves, sticks or Cranberry Vines.

1 Bale	$1.00	3 Bales	$2.75
2 Bales	1.90	6 Bales	5.00

CAPE FLOWERS.

We carry but one grade, and that the best which the market affords.
COLORED, bright shades, per lb. $1.50, 10 lb. $14.
WHITE, per lb. $1.00, 10 lb. for $9.50.

STEMMING WIRE.

No. 24, per stone..$.65 | No. 28, per stone. $1.00
No. 26, " .75 | No. 36, " 1.60

No. 26 is size usually used for Evergreen winding and Holly Wreath making. Note special low price on this size.

Tin-Foil.

A No. 1 STUFF, NOT LEAD.

25 lbs..$2.00
50 lbs.. 3.75
100 lbs.. 7.25

IMMORTELLES

Scarlet, Blue, Yellow, Etc.

New Crop. Per Doz.. $2 50.

BLEACHED WHEAT
CHENILLE
SCOLLAY SPRINKLERS
CANE STAKES
TOBACCO STEMS

PAMPAS PLUMES
INSECTICIDES
SHEEP MANURE
HORN SHAVINGS
ETC., ETC.

At lowest possible prices. Send in your list of wants for estimate.

84 & 86 Randolph Street, CHICAGO.

VAUGHAN'S SEED STORE,

Rochester.

TRADE SOMEWHAT LIGHTER.—VIOLETS STILL SCARCE.—PLANT TRADE PROMISES WELL.

Trade in general was not very brisk for the past week, no remarkably great event happened to come along, and though J. W. Keller reports receipts of the wholesale house lighter than usual, there was about enough flowers in the market to supply the demand, with exception of violets and roses. Several of our local growers are off crop now, but a prospect of a fair supply is expected to come in at about Christmas, if the weather is not altogether too unfavorable. What we get from out of town is mostly not up to the mark but fairly good at times. The cut of carnations has increased lately, else there would have been a decided scarcity in spite of the week's light demand, but violets, oh! how scarce they are, everybody is looking out for them and but few can be supplied By all present appearances smilax and also asparagus will be short for the holidays, not much of it is grown here and most of this has been cut down lately.

Our storemen are beginning to fix up their windows and to decorate the interior of their stores. Not many flowering plants are seen there as yet but palms and other ornamental stock are greatly in evidence, finer specimens and cleaner plants than in former years are seen in most of the places, but prices are not any higher so far. Begonia incarnata is selling well, poinsettias are rather scarce everywhere, only at Geo. Savage's, but we can not get these, he has them in all sizes and in quantity, large and small. They are used by him to decorate the conservatory at the residence of the Kimball family, and make a grand show interspersed between large palms and other ornamental plants. The immense heads are something unusual even on the smallest plants in 5-inch pots, but Mr. Savage says he does not feed them any too heavy, though we suspect that he does not starve them either at any time during their growth.

Many of the merchants and shop keepers begin their annual store decorations 2 or 3 weeks before the holidays and it is well for the florist that this should be so, because if left for the last week, they would not have the time to attend to hanging up wreathing, etc. Ground pine is very good this season and lots of it is used up already. The prospects are for very large sales in this line. Very little holly has arrived so far; it is not good policy to have it too early, especially when the weather is quite warm as at present. J. B. K.

Black Aphis.

E. A. M., St. Louis, wishes to know the name and how to destroy the insect which is on his roses (specimen received). They are nothing but the common black aphis which is occasionally found in our rose houses; they are not very common or destructive to roses and may be got rid of by the same means that we use for exterminating green fly.

Carried-over Woottons.

In reply to "Ontario Florist," carried-over Woottons seem to have a tendency to produce flowers in great abundance, but often quite short stemmed; the same is true of nearly all roses of this class. To remedy the trouble a more vigorous growth is necessary. If the plants are healthy and vigorous, with ample foliage, I would suggest a liberal mulch with well rotted manure, or else a systematic feeding with liquid manure. Unless the stone wall is banked with earth on the outside the foundation should certainly go down below the frost line, as there is a strong probability of its being toppled over in the near future. It occurs to me that with lumber as cheap as in Canada, stone walls will be by far the most expensive, and in a country where the cold is so intense neither stone nor brick walls are very satisfactory for a greenhouse. The warmth and moisture within and the frost penetrating from without soon loosen the mortar and rack the masonry unless the very best materials and workmanship are employed. For a greenhouse of moderate cost nothing can be better than locust or red cedar posts, and properly designed weatherboards with building paper between. If something more permanent and expensive is desired the next best thing is solid concrete, which is almost indestructible. I might add that many of the most successful rose growers in the "States" would not have walls of masonry in their greenhouses under any consideration.

ROB'T SIMPSON.

ADVERTISING has almost become an art, and in order to keep up with the march of progress THE AMERICAN FLORIST has engaged the services of an expert advertisement writer, who may be consulted free of charge on all matters relating to this branch of the business. We desire to make our advertising pages as bright and crisp as our reading pages are sound and solid. All communications on this subject will receive prompt and careful attention. If you desire a half-tone, wash drawing, zinc etching, or any kind of illustration whatever, we can furnish it on the shortest notice.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

INCORPORATED

21,000 OFFICES IN AMERICA. CABLE SERVICE TO ALL THE WORLD.

This Company **TRANSMITS** and **DELIVERS** messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the Company will not hold itself liable for errors or delays in transmission or delivery of **Unrepeated Messages**, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after the message is filed with the Company for transmission.

This is an **UNREPEATED MESSAGE**, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, President and General Manager.

11 45 a.m.

NUMBER	SENT BY	REC'D BY	CHECK
14	WUBJ	a760	Paid O.K.

RECEIVED at American Florist Office 12/18 1897.

Dated Barnard's Headquarters on Xmas Greens.

To The Florist Trade:

Fancy Delaware Holly, 4^{75} case Select wreathing $2.75 100 yds, $25.00 1000 yds. Mistletoe 10lb, $1.80. Xmas Trees, large assortment at bottom figuries. Special facilities for prompt mail service.

W. W. Barnard & Co.

186 East Kinzie St., Chicago.

Florists' Fire Insurance Association.

PERMANENT ORGANIZATION.

On Monday at the adjourned meeting of the Florists' Fire Insurance Association, the following persons were elected directors: E. H. Michel, St. Louis: Mo.; J. C. Vaughan, Chicago, Ill.; Elmer D. Smith, Adrian, Mich.; Wm. Scott, Buffalo, N. Y.; John G. Esler, Saddle River, N. J.; M. A. Patton, Tewksbury, Mass.; E A. Seidewitz, Annapolis, Md.; E. G Hill, Richmond, Ind.; Adam Graham, Cleveland, O.; W. F. Gude, Washington, D. C.; L. L. May, Minneapolis, Minn.; P. J. Berckmans, Augusta, Ga.; W. J. Vesey, Fort Wayne, Ind. W. J. Vesey was elected secretary.

The by-laws as printed were adopted with immaterial changes and with some formal additions the principal of which are; requiring the directors to fill all vacancies occuring during the year; permitting directors to vote on all questions submitted in writing by letter.

Two or three of the gentlemen named as directors have not yet completed their applications for insurance, but have made informal application therefor. Unless they do so, it will be necessary to substitute others in their places. You will also notice that two places are left unfilled from lack of good names in other territory.

Any person in the business will be supplied with a blank application for insurance on request. W. J. VESEY.

Youngstown, O.

"Does advertising pay?" "It does," says Mr. E. Hippard, and in order to prove it, he produced a batch of orders, showing that his investment in printer's ink, in the AMERICAN FLORIST—the dear old FLORIST, which has stood the test of time—had amply repaid him. His orders for carnation plants and palms surpassed his most sanguine expectations. He likewise reports an increased sale for his standard ventilating machine, which, by-the-by, he has somewhat improved, bringing it up to the highest point of perfection.

What promises to attract some attention is Mr. Hippard's new chrysanthemum, a sport from E. A. Wood. It is a splendid pink flower, perfect in shape, a free grower and possessing all the merits of the best varieties extant.

Mr. Hippard has recently returned from a trip to Cleveland. HOMO.

A Bunch of Violets.

'Tis but a bunch of violets,
Nestling upon her breast,
Blue eyed, odorous violets,
But perhaps you know the rest?
No? then you never have felt, sir,
What I feel for this maiden fair,
Never lunched upon one ham sandwich,
Never dined upon water and air,
And never with quivering emotion,
Beheld your last dollar bill,
Softly and silently drop sir,
Into the florists' till.

—*Frances A. Schneider in Chicago Chronicle.*



We're not in the woods but we are headquarters for

Bouquet Green

also select grade Delaware Holly

We also ship out **perfect Palms** and **fine Ferns** at reasonable prices.

Order **Green Wreathing** for **Thanksgiving** now. Unexcelled service in **Cut Flowers.** Write for quotations. Special price in quantity.

ELLIS & POLLWORTH, Milwaukee, Wis.

FERNS. MOSS. GALAX.
LEUCOTHOE. PALMETTOS.

Holly.

....BEST QUALITY....

Largest Stock in New England. Prices on large or small lots quoted by mail, telegraph or telephone.

GEO. A. SUTHERLAND,
67 Bromfield Street and 18 Chapman Place,
BOSTON, MASS.

When writing, mention American Florist.

BOUQUET GREEN.

Best Quality at Lowest Rates. We gather our own greens and bring by our own boat direct. Also **Christmas Trees.**

NORTHERN MICHIGAN EVERGREEN NURSERY,
S. W. corner Clark St. Bridge, **CHICAGO.**
Mention American Florist.

Do not fail

To send your business card and have your name in the Directory for 1898.....

American Florist Company,
324 Dearborn St., Chicago.

To Florists



wanting to grow ERICAS (Heath) we offer below the Two BEST EASTER VARIETIES.)
Fine Bushy One-Year-Old Plants from 4-inch Pots.

Erica persoluta ALBA, $15.00 per 100.
" " ROSEA, 12.00 " 100.

Cash with Order. **A. SCHULTHEIS,** P. O. Box 78.
Larger plants two-year old from 5 inch pots, - $35.00 per 100. You can bring this in flower for Easter. . . . No charges for packing. Save 25 per cent. Duty.
College Point, L. I.





PLACE HOLIDAY ORDERS NOW FOR KELSEY'S.....

Brilliant *GREEN* and *BRONZE* ...AND... LEUCOTHOE SPRAYS

GALAX LEAVES...

(Finest Leaves and Packing.)

GALAX—Large or small, either color, per 1000, $1.00; 5000 lots, 75c per 1000.

LEUCOTHOE SPRAYS—Per 100, 75c; per 1000 $6.00. Wholesalers supplied at very special rates.

I am packing Original Assorted Cases for Florists as follows:

CASE A—5000 Galax, assorted sizes and colors, for $3 75.
CASE B—Same as Case A, and 200 Leucothoe Sprays additional, for $5.00
CASE C—10000 Galax, assorted sizes and colors, $7 50

•TERMS CASH—Shipments from Boston or North Ca olina.

Give explicit shipping directions, otherwise I use best judgment. **Telegraph orders save time.** Order one or more cases as above, or in very large cases—Galax by thousands, color and size: Leucothoe sprays by hundreds or thousands. Samples and full information FREE. Address all communications to the introducer.

HARLAN P. KELSEY, 1123 Tremont Building, Boston, Mass.

E. G. HILL & CO. RICHMOND, IND.

ASPARAGUS PLUMOSUS and SPRENGERII, $6.00 per 100.

FICUS BELGICA, From fine top-cuttings, establish in 4 inch pots, - - **$22.50 per 100.**

A FULL LINE OF ROSES, CLEAN and IN PERFECT HEALTH

All the best chrysanthemums of both continents, including CALVAT'S famous set of '97; standard sorts very low in price. Don't fail to get our January list with full descriptions—height and bud given as far as possible.

Two New Heliotropes. Bruant's Giant flowered novelties, CZAR and CZARINA, $15.00 per 100.

CANNA, Pres. Cleveland. The most SUBSTANTIAL Canna yet raised; 3½ feet high; orange scarlet, - $6.00 per doz. $40.00 " 100.

Our usual fine line of **GERANIUMS** and a few grand novelties among them.

Rooted cuttings in season of all the best sorts of **CARNATIONS.** Stock in clean, healthy condition. Novelties of '97 a specialty. Special care given in propagation.

E. G. HILL & CO., - Richmond, Ind.

Syracuse, N. Y.

ANNUAL MEETING.—ELECTION OF OFFICERS. — INTERESTING LECTURES.— QUESTION BOX.—TRADE GOOD.—CARNATIONS AND ROSES SHORT.

The annual meeting of the Central New York Horticultural Society was held December 8, at the St. Cloud Hotel. President A. D. Perry in his annual address announced that better work had been accomplished during the past year than ever before, and the attendance at the last flower show was one third larger than on previous occasions.

The following officers were elected for the ensuing year: president, S. T. Betts; vice-presidents, A. D. Perry, C. W. Snow, E. A. Powell, F. C. Brower, L. E. Marquisee and W. Judson Smith; treasurer, F. H. Ebeling; secretary, D. Campbell; executive committee, Geo. Ham, R. Bard, C. Barson, W. Parsons, J. Huller and J. L. Porter. It was with great reluctance that the society complied with Mr. Perry's views in regard to his retiring from the presidency, but it was inevitable. The expenses of the recent flower show exceeded the receipts to the extent of about $200 and in view of such heavy expenses occurring each year, and that the chrysanthemum show should be made a permanent feature, an amendment was adopted to the constitution that a sinking fund be secured for such contingencies in the feature of membership which shall be known as sustaining members. The annual dues of said sustaining members to be $5 and members of this to have and enjoy all the privileges the society may hereafter desire to extend to them.

A large vase of G. P. Rawson's W. H. Chadwick chrysanthemum adorned the assembly room which to all appearances seem destined to become a favorite standard variety, both for commercial and exhibition purposes, he also exhibited two vases of Golden Gate rose. The name does not seem at all applicable to this rose, as its color is a little lighter than Watteville, which variety it somewhat resembles, especially in foliage, it is a fine large flower, borne on long stiff stem. Mr. Rawson considers it a very profitable and indispensable variety with him.

At the close of the afternoon session the members adjourned to the dining room where supper was served. At 8 o'clock the session was continued in the assembly room; the Rev. W. M. Beauchamp of Baldwinsville, N. Y. spoke on native ferns and the work of collecting them—giving his personal experience that was not only interesting, but at times amusing. Prof. S. A. Beach, of the Geneva Experiment Station, next talked on "Hydrocyanic gas for fumigating greenhouses," the professor handled his subject in a masterly manner which led to great discussion, which would take up too much space in this journal; however, to boil it down, the general sentiment was that it was far too dangerous under present conditions to be used practically both to ourselves and vegetable life. Mr. C. E. Hunn, of Cornell University, spoke on their general work of horticulture at the university. The wonderful results he had had with the artificial manuring of strawberries and the size of the berries was a staggerer for some of our Onondaga growers, he also incidentally remarked that strawberry plants brought in about the third week in December, could be fruited well by Easter, at which time they sold remarkably well as a pot plant at a good price. Grove P. Rawson followed with a talk on general topics of interest to florists. Mr. Rawson is a brilliant speaker, and his remarks were listened to with intense interest, being very instructive and finely drawn.

A new feature at this meeting was the question box which contained more than one conundrum, here is one: "How can a chrysanthemum show be made to pay?" and there were quite a number of other such corkers.

Despite unseasonable weather trade is very good indeed, giving every prospect of a heavy holiday trade. The warm weather has made flowers of all kinds more plentiful, but it is by no means a hard matter to dispose of them all. There will undoubtedly be a great scarcity of carnations for Christmas, all the growers around here have their cut already bargained for. Roses, too—especially Beauty—will be short. There are lots of fine Harrisii now in and they sell quickly, bringing 25 cents a flower; also Paper White narcissus and Roman hyacinths.

Seldom have the buyers in this city ever had such a large and varied assortment of flowering plants for the Christmas holidays to select from—azaleas, lilies, cyclamens, primroses, cinerarias, begonias and poinsettias are especially fine; in azaleas, Simon Mardner, for a rose colored, and Deutsche Perle for white, are two favorites and are very easily flowered at this time of the year.

ALPHA.

English Funeral Work.

Floral tributes to the memory of the late Duchess of Teck, were sent to White Lodge and Windsor in enormous numbers, and were for the most part of surprising beauty. Those sent to White Lodge when removed from the mortuary chamber to the courtyard to be packed for transmission to Windsor occupied an area of nine hundred square yards, and two large private omnibuses and a landau were barely sufficient for their conveyance. On Tuesday, wreaths, crosses, and other floral devices poured into Windsor, and the vans of railway companies were busily engaged throughout the day in conveying them to the Lord Chamberlain's department. In consequence of their numbers, the floral tributes were placed in the Albert Chapel, and as they were carefully arranged the effect produced by the immense number of exquisite arrangements was of great beauty.

The Royal Botanic Society, of which the Duke of Teck is president, sent a large wreath of white flowers comprising Lilium Harrisii, Roman hyacinths, and lily of the valley. The King and Queen of Italy sent a magnificent wreath. It measured about sixteen feet in circumference, and the rim is composed of a frill of Roman hyacinths falling on a foundation of foliage. It was then built up with row upon row of white roses, gardenias, and chrysanthemums, the top row being of arums, and the sequence of flowers being continued down the other side. At the base there was a huge cluster of cattleyas and dendrobiums interspersed with branches of asparagus and slender yellow and green croton leaves. The cluster was tied with a large bow of pale mauve ribbon exactly matching the orchids in color. The young Queen of Holland also sent a large round wreath of exquisite white flowers, the rim of the wreath solid, and with a large cluster of white orchids, eucharis, liliums, lily of the valley, and arums, tied with a white ribbon. The Empress Eugenie contributed a large cross of violets. The Duke and Duchess of Fife also sent a large cross, and this was composed of gardenias, white roses, lilies, and white orchids, the latter in long drooping spikes arranged gracefully across the arms of the cross.

Princess Adolphus of Teck's tribute was a large heart, formed of white roses, lilies and carnations, and tied with white satin ribbon; and the Princess Edward of Saxe-Weimar's tribute was a lovely wreath formed entirely of lilies. Of great beauty was the wreath sent by the Duke and Duchess of Devonshire. It was about three feet in diameter, and composed of a groundwork of white flowers, from which sprung a light feathery arrangement of cattleyas, croton and caladium leaves, mingled with asparagus. The Earl and Countess of Gosford contributed a wreath about nine feet in circumference, edged with green bay leaves, and built up with rows of chrysanthemums, double gardenias, white lilies, tuberoses, stephanotis, and double azaleas. Over this were mauve cattleyas, caladium leaves, azaleas, and croton foliage, with asparagus. The Duke and Duchess of Newcastle sent a large white cross, with a cluster of mauve orchids. Adeline, Duchess of Bedford, sent a cross of white flowers, with a cluster of pink roses tied across it. The Earl and Countess of Mornington forwarded a large white flower wreath, and a white anchor, composed of very beautiful flowers, was the tribute of Countess Cowley.

Many others were not less beautiful than those enumerated above, but mention of the foregoing will suffice to show the general character of the floral tributes which produced such a beautiful display at Windsor on Wednesday.—*Gardeners' Magazine* (English).

BROCKTON, MASS.—The Brockton Florists' and Gardeners' Club completed its organization and elected officers on Tuesday evening, December 7. The officers are as follows: President, John McFarland; vice-president, Thomas Greaves; secretary, Carl J. Dane; treasurer, John Kendregan. Carl Blomberg and Peter Barker were appointed a committee on essays and discussions.

Cane Stakes

10 to 12 feet, $25.00 for 10,000.
" " $3.00 per 1,000.

Ficus $25.00 per 100 feet.

3-in. pot plants, 4 to 6 leaves, crown cuttings, $15.00 per 100.

A. C. OELSCHIG,
TERMS CASH. SAVANNAH, GA.

KRAFT'S

...Plant Tonic

Kills All Insects.
Gives Color to Foliage.
Promotes Growth.

N. J. KRAFT & CO., ROCKFORD, ILL., MFRS.

Send for Circulars.....

SOLD BY

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay Street.
CHICAGO: 84 and 86 Randolph Street.

AN 1898 CALENDAR

BEDECKED WITH
FLOWERS AS THEY GROW
AND NOT AS ARTISTS TRY TO DRAW THEM.

"ART THAT ITSELF IS NATURE."

A Sample Set of Long's New Florists' Calendars mailed for only 20 cents in stamps. . . .

The prettiest office ornament yet seen for the new year. Address

DAN'L B. LONG, Publisher, - BUFFALO.

BEFORE ISSUING **CATALOGUE**
Send for electrotype and prices of
Breen's Patent Finger Spade



to be had upon application to
T. W. BREEN, Mnfr.,
128 O'Farrell St., SAN FRANCISCO, CAL.
"An invaluable weeding implement; once used, always used".

NEW PRICE LIST OF
Neponset Flower Pots
Made of Waterproof Cardboard, of nice terra cotta color.

Terms—Net cash with order. If ordered shipped by FREIGHT, ADD 50 CENTS CARTAGE.

Size	Packed in Crates of	Gross Weight per 1000 pots	Per 100	Per 1000
2½-inch	1000	about 20 lbs	$0.25	$2 20
2⅝ "	1000	23 "	.30	2.50
3 "	1000	34 "	.45	3.90
3½ "	1000	45 "	.60	5.15
4 "	500	76 "	.80	6.90
5 "	500	100 "	1.20	10.35
6 "	500	150 "	1.65	14.55

Standard Pot Measure.

Less quantities than full crates at 100 rates.
F. W. BIRD & SON, Manufacturers.
Address orders to our Agents,

August Rölker & Sons
52 DEY STREET, NEW YORK.
R. & J. FARQUHAR & CO., Boston, Mass.

IF YOU THINK

of advertising, and feel you are not quite sure about the style or wording of your ad, write to the **American Florist Company, 324 Dearborn Street, Chicago,** for the information you want.

A Dispute.

Answering the inquiry of "Muncie," it is hardly likely that both sides to the controversy will be satisfied with any reply that may be made to the query. The writer of the questions must have overlooked the adage, which is still true, that "To convince a man against his will, he's of the same opinion still." Perhaps if I choose a middle ground and say that no man who has any regard for the appearance of his houses would think of leaving flowers on the plants until they open wide and the petals fall off, I will be on safe ground; nothing perhaps could be a surer index of the sloven. If the blooms are not marketable, or in case there is no demand for them, they should be cut when ready just the same and carried out of the house. I cannot think of anything more unsightly and objectionable to an orderly person than to see flowers here and there all over a house overlooked when cutting and furnishing food for snails, wood lice and centipedes, or to be able to go and cut an armful at any time of blue Meteors or bull-head Perles. The man who habitually does this kind of thing is seldom promoted to the position of superintendent.

As to smoking, some varieties seem to bear light fumigating without any apparent injury to the blooms, Meteor and American Beauty perhaps the best, though it is apt to rob the flowers of even those varieties of their beautiful gloss and finish. Bride, Bridesmaid, Mermet and Niphetos are generally injured with even the lightest smoke, though the little that might enter from another house would hardly be sufficient to do any damage.

ROBT. SIMPSON.

Asparagus Plumosus Nanus.

ED. AM. FLORIST: Will you please tell me whether plants of Asparagus plumosus nanus should be thrown away after they have been grown through the winter, and state how they are propagated?

Somerville, N. J. J. G. S.

Provided the plants are given a complete rest during the summer months, they will make better growth during the second year, but under average conditions it is an advantage to replace the stock every third year. Seeds are usually employed for propagation. B.

Poison for Sow Bugs.

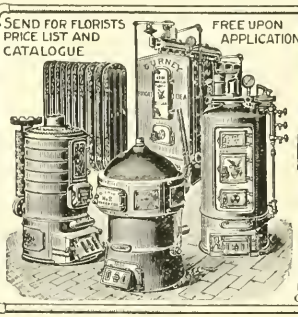
Noting my article on "Sow Bugs" published in AMERICAN FLORIST in November, Mr. Lewis Turner, of Kenosha, Wis., gives the following as a cure: "To a quart of corn meal add enough brown sugar to sweeten, mix well together and add two tablespoonfuls of Paris green. Moisten a little with water just so it will hold together. Place it about in small quantities on or under bench or wherever the bugs may be.

Mr. Turner's remedy was a complete success. WM. E. CHAPPELL.

RECEIVED from Texas Seed and Floral Co., neat calendar for 1898.



GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave.,
CHICAGO, ILL.



SEND FOR FLORISTS PRICE LIST AND CATALOGUE — FREE UPON APPLICATION

Gurney
TRADE MARK
HOT WATER HEATERS AND STEAM BOILERS
THE STANDARD OF EXCELLENCE FOR THEIR RESPECTIVE REQUIREMENTS.
GURNEY HEATER MFG. CO.
163 FRANKLIN ST COR CONGRESS, BOSTON, MASS. NEW YORK CITY BRANCH, 46 CENTRE STREET

SYRACUSE POTTERY CO. Flower Pots,
MANUFACTURERS OF
Bulb Pans, Hanging Baskets and Saucers
OUR FLOWER POTS are standard measure and all first-class and we assure you they will give good satisfaction. We call your attention to our new pots, 6, 7, 8 and 9-inch, called the "Poro Pot." They are more Porous than any pots, smoother inside and outside, perfect drainage, and are easily washed and cleaned. Give them a trial and you will not want any other. Remember these Pots are as cheap as any other Pot on the market. Write for price list.
SYRACUSE POTTERY CO. SYRACUSE, N. Y.

STANDARD FLOWER POTS.
Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.
A FULL LINE OF BULB PANS.
THE WHILLDIN POTTERY COMPANY, 713 to 719 Wharton Street, Philadelphia, Pa.
BRANCH WAREHOUSES: Kearney and Westside Aves., Jersey City, N. J. Jackson Ave. and Pearson St., Long Island City, N. Y.

STANDARD FLOWER POTS.
Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.
A. H. HEWS & CO., N. Cambridge, Mass.

Flower Pots
We manufacture all kinds of Flower Pots, making a specialty of .... FLORISTS STANDARD POTS
We are centrally located and can save you freight. Also headquarters for Florists' supplies. Write for price lists and we know you will give us your order.
VAIL SEED CO., 150 N. Delaware St., INDIANAPOLIS, IND.



FLOWER POTS.
We Manufacture all kinds of Flower Pots, etc. Making a Specialty of
Florist Standard Pots
Send for price list and samples (which will be sent free and we know you will give us your order:
J. G. SWAHN'S SONS, P. O. Box 78. Minneapolis, Minn.

XXX Holly
WE HAVE IT — WIRE FOR IT, WRITE FOR IT
Vaughn's Seed Store
NEW YORK CHICAGO

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

Flower Pots.
Right from the manufacturers. Before buying pots write to us for Special Prices and Discounts. .....
Our pots are RED in color and Standard.
KELLER BROS.
213 to 223 Pearl Street. NORRISTOWN, PA.
Mention American Florist

FOR SALE CHEAP.
GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W Broadway, NEW YORK.

Smilax...
6-8 feet long, strong, heavy strings, at $15 per hundred. Cash with order. Holiday price.
P. E. LIEBSCH, Batavia, N. Y.
Mention American Florist.

Garden Notes.

TWO PRETTY GESNERACEOUS PLANTS.

Among the newer gesneraceæ are the so-called African violet, Saintpaulia ionantha and the new hybrid streptocarpuses. The former is a little gem finished in blue and gold, and is altogether a most charming little pot plant. It is only within a few years that it has come into cultivation and is still a novelty to many. It is easily grown from seed or by leaf cuttings or division, and it appears to have a good many points which should make it a favorite with those who grow an assortment of pot plants for their own retail trade. Its foliage is beautiful, as all the leaves of all the family, spreading out into a great rosette. The flowers are deep violet with two fat bright yellow anthers, giving the blooms an extremely bright appearance. A well grown plant in a 4-inch pot should be a foot or more in diameter with thirty or forty slightly heart-shaped leaves, each about two inches across and an abundance of its bright blossoms which measure individually about one inch. The plant is an almost continuous blooomer during the winter and always attracts attention. Its cultivation is easy and so far the mealy bug has been its only insect enemy. It is fond of a good proportion of leaf mould and takes to bone meal kindly. A temperature of 60° does it nicely.

Of the genus streptocarpus there have been in cultivation at various times all of the twelve or thirteen known species, but it was not until they came out from the hands of the hybridizer that we had anything that gave promise of commercial value. The first hybrids sent out a few years ago were a great advance and quickly attracted the English growers, who have still further improved them in size and range of color. We have now coming in a fine lot of Veitch's new hybrids that promise to be fine. The foliage is more abundant, the blooms two inches or more across and the range of color is from white through lavender to red purple.

The plants bloom the first season from seed but should be two years old to show what they are capable of. They are easily raised from seed and treated like young gloxinias. As soon as they have developed a strong leaf we plant them out on a mild hotbed and leave them out, keeping them rather close, until September when we take them up and pot them. By this time they will be showing flowers quite freely and can be sold or grown on. If kept for the second year, which is their best, they may be kept quiet during the winter and plunged in a frame the following summer when they will be in fine condition for fall decoration or sale. They require about the same soil as gloxinias, but are not so impatient of water overhead, and so the hose can be used for mealy bug which is apt to attack them.

JOHN F. COWELL.

Buffalo Botanic Garden.

Callas.

T. R. R. & Co., Grand Rapids, Mich., write:—"Our callas are troubling us by rotting off at the surface. Can you tell us the cause and cure?"

We know of two causes. Frost, however slight, will promote decay of the tubers at the growing point, and a sudden change of the growing plants from a high to a very low temperature will produce similar results. There is no cure for plants thus injured, though the tubers will continue to grow weakly from the base, attaining full strength again in about a year. To prevent the trouble in these cases, the course will be evident.

B.

Hot-Bed

Sash.

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3 ft x 6 ft, 3 rows 10 in. glass.
3 ft. 3 in. x 6 ft. 4 " 8 in. "
4 ft. x 6 ft., 5 " 8 in. "

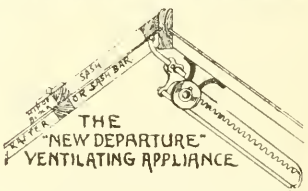
Not glazed, 1¾ in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities

LOCKLAND LUMBER CO.,

Lockland, Ohio.



THE "NEW DEPARTURE" VENTILATING APPLIANCE

You can not get a **GOOD THING** for nothing. But the price of this apparatus is next to nothing. Send for price and description to

J. D. CARMODY, Evansville, Ind.

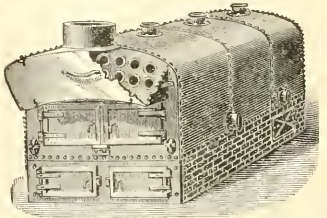
Mention American Florist.

KROESCHELL BROS. CO.

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Greenhouse * Boiler,

29 to 59 Erie St., CHICAGO.



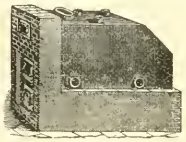
Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

Boilers OF HIGH GRADE..

For GREENHOUSES.

See our Catalogue.....

Steam and Hot Water. Giblin & Co., Utica, N. Y.



GREEN-HOUSE HEATING.

MYERS & CO.

1518 & 1520 S. 9th St.

PHILADELPHIA.

Send for catalogue and price list.

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IS A GUARANTEE OF SATISFACTORY QUALITY.....

Manz makes illustrations for this paper.



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DAVIS BROS. MANFG. CO.,

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MILWAUKEE, WIS.

GREENHOUSE BOILERS A SPECIALTY.

DON'T SYRINGE WITH COLD WATER.

It lowers the vitality of your stock, but write for particulars of my tempering Apparatus.

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Thrips on Roses.

Have received from "E. N. H." a package containing specimen rose plant and bunch of flowers, also letter requesting me to carefully examine both plant and blooms with a view to the discovery of the ailment of plant and disfigurement of bloom.

The appearance of the plant and also a statement in the letter lead me to think that in the effort of fighting mildew the plants have been kept too warm and close, probably both day and night, which treatment would account for the rather slender growth and thin foliage. In trying to destroy mildew, either with sulphur on the foliage, or as a wash on the heating pipes, there is always a risk of still further weakening the plants and encouraging a soft tender growth (ready prey to any form of disease), as in either case it is necessary to have considerable heat in order to derive any benefit from the sulphur. To be able to harden the maturing foliage and at the same time eradicate the mildew is no small task, but may be accomplished if we take it in hand in time and use care and common sense.

If E. N. H. will take some of the most bruised and disfigured blooms that he can find and pull the petals off one by one, carefully scrutinizing each, I think he will discover numbers of thrips in each flower, small and insignificant looking certainly but capable of wholesale destruction nevertheless. We need not look further for the cause of the ragged, blackened and malformed buds, but how about a remedy? Earlier in the season I at different times advocated thorough fumigating several nights in succession as the most rational method for destroying thrips, and I still have nothing better to suggest or recommend. Strong tobacco smoke will kill wherever the petals are unfolded sufficiently to allow it to penetrate, and if the smoking is kept up for some time it is pretty certain sooner or later to catch them all. I am well aware that strong doses of smoke will ruin the buds of such varieties as Bride, Bridesmaid and Mermet, but are not these already ruined? and if they should be crippled a trifle more that will not signify if in doing so a permanent cure is effected.

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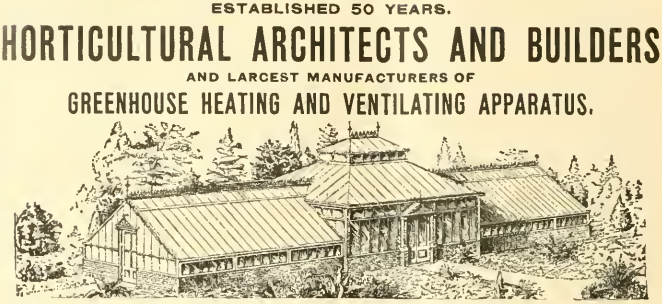
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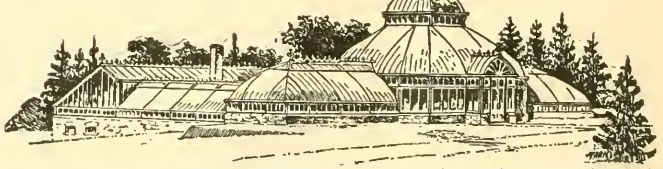
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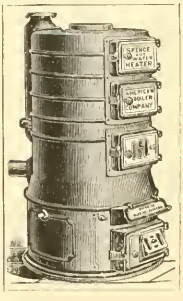
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Crotons.

Crotons are slowly but surely working their way into the affections of the people, and the florists are not slow to recognize that fact; and they not only desire to prepare for the demand, but are anxious to help increase it.

Where the plants that had been bedded out last summer were taken up in time, that is to say before they had lost most of their leaves, or before the autumn winds and rains had mutilated the foliage; and had been carefully potted and received the benefit of a moist warm house, not lower than 65° to 70° at night, there should be some good cuttings ready for the knife and propagating bed from this time on and for the next few weeks. It is true that crotons require more systematic handling than do most other things; but they deserve and are entitled to the little extra care they must have.

There are always some patrons of florists who desire something out of the common way, something their less fortunate brethren in this world's goods cannot so easily procure, and it is well to cater to that class of trade. Charge a good price for it, and they are often better satisfied to pay more if they are made to realize that they are getting something superior to that made use of by their neighbors.

As to propagating: Secure perfect shoots, generous in size, say not less than from 6 to 8 inches long, remove a few of the lower leaves, and we find the cuttings root just as well if potted without ceremony directly into pots varying in size according to the strength of the cuttings, and given a warm and moist corner of the propagating house; what I mean by warm is a temperature of not less than 75° to 80° at night. If the leaves have a tie of raffia to keep them within bounds they are more convenient to handle and take up less space—a great consideration in a propagating bed. They must be syringed several times a day at first, and no direct sunlight be allowed to strike them excepting a little, perhaps, very early in the morning and late in the afternoon, until they are rooted. We find crotons root readily in a mixture of "peat moss" and the fine siftings of coal ashes mixed in about equal proportions. The peat moss is imported from Germany, I believe, and in compact bales, and is quite dry. To prepare it for using it may be rubbed through a coarse screen, which renders it in better condition for handling.

One matter must be borne in mind by those who contemplate trying crotons for bedding next season for the first time, and that is not to put out a plant in any of the middle or western states before the first week in June, and then plants must be used that are already specimens in the various sizes, and they must be planted sufficiently close together to make an immediate effect. Take such varieties as Rothschild and Fasciatus, and nothing can be more effective where such effects are sought.

In localities where crotons have not already been tried the experiment should be approached with caution. One dozen plants or even half a dozen plants will tell the tale whether it is worth while experimenting further or not. But whoever gives the croton no more thought when giving them a trial than they do a coleus or a geranium or any of the commoner bedding plants, deserves to fail. Give the croton high-class culture and success, nine times out of ten, will crown the efforts of all intelligent experimenters; this of course applies only where there are no climatic disadvantages. I have seen old stumps of crotons planted out with a little tuft of very small leaves at the end of the shoot, and the man in charge pointed to them with evident satisfaction and a "I told you so" leer on his lip, and saying, "There are your crotons that are recommended for bedding; what do you think of 'em?" All I can say is that crotons will do neither themselves nor the man who has charge of them any credit by that indifferent method of treatment. Get your cuttings in at the earliest possible moment, take good care of them by giving them lots of light, heat and moisture, and a temperature of 70° at night after they are nicely rooted and established in pots, and if they are to be used for bedding purposes, plant them out at the proper time (first or second week in June in the middle states), and I warrant you they will be the delight and pride of the whole neighborhood next summer.

L. O. N.

Orchid Culture.

In days gone past, there was an idea quite common among cultivators that orchids would not grow except in structures that were built specially for their accomodation, and from the old-time custom of growing what plants were possessed in a mixed plant house among other families, there was a reaction to the other extreme, and houses were given up to even single species and their varieties as with Odontoglossum crispum or some of the many geographical forms of Cattleya labiata. This latter day development of what is by some regarded as a "craze" for orchids is all very well for those who can afford it, and is by no means to be deprecated, but I want to

emphasize the fact that in the days of orchid culture among mixed plants such as palms and ferns, just as good examples were produced as now with greater facilities and better knowledge of the requirements of the plants. Any one who can give a portion of a house that is kept at the temperature that roses require, can grow most of the orchids that are regarded as paying plants for the florist, one might go even further and say that those that will not thrive in a temperature of 55° as a minimum are not paying plants to grow. It will be understood at once that the temperature named is for severe weather when most of the orchids will have completed their season of growth. Most of them grow with the summer and rest with the dull months, and any additional heat in winter is harmful. Our first attempts were made with cattleyas suspended in a rose house, and we regarded it as a makeshift but the plants were as happy then as now, and flowered finely.

It is always necessary when we attempt the culture of a new plant to find out first where it comes from. This used to be a difficult matter but in these days of such publications as "Nicholson's Dictionary" and "Sanders' Reichenbachia" it is possible to learn all we need to know at a glance, remembering at the same time that mere latitude is not the most important, but altitude or longitude, many of our coolest orchids growing directly under the equator in Ecuador and elsewhere, and also that on the high mountains there is also perpetual snow and a frigid climate the year round on Chimborazo and Cotopaxi, and leading up to these heights orchids are found plentifully. I am glad to see that collectors are wiping away the mists that shrouded the collecting of orchids; the snake and tiger stories will soon be a thing of the past, and we shall have instead observations taken from the barometer and thermometer illustrated with snap shots from the kodak.

When we have found out the proper temperature in which to place the plant, there is one more vital matter to be settled, and it is one we have to treat delicately as it is so much disputed among growers, that is, the matter of shade for the plants. We are assured that they require sun and air in abundance in their native woods, but we must not try to make them put up with it as we have it here at mid-summer in an unshaded structure, even though the plants have been hardened to it from the early spring months. We have often seen how plants will suffer most on the first bright day after say a week of stormy weather, especially if the snow be on the ground. We have used roller shades for years past and find them excellent in their results, but a great nuisance to the grower because of the constant rolling up and down, but to the beginner, who has at hand a palm house, or one in which they are part occupants, there will be found an ideal place to grow cattleyas, lælias, cypripediums, dendrobiums, and in fact all such as are not cool plants as those that come from the Andes at 6,000 feet elevation. Air is of as much importance as shade and heat; a close steaming atmosphere such as used to be thought desirable is suffocation to these air plants.

In changing over a house for growing orchids, the only suggestion I would make would be, to have ventilators in the side walls to that fresh air could be admitted whenever the outside temperature would admit of it, whenever it was not actually freezing outside. Have the openings close to the pipes so that the keen edge would be taken off before it reached the plants. A local grower came round one day when we were punching holes in the brick walls of the then rose house and asked what it meant; later he was surprised to find what a volume of air was sucked in by these apertures in hot weather especially. Just at the time that one goes to great pains to prepare a congenial atmosphere by damping down, one has often to open the top ventilators to let it all escape, when by having side vents, one can have the freest circulation without letting the house become arid and dry. We have openings 12x24 inches between each rafter made of wood, and to swing in the center so that it is possible from the inside to open as little or as much as possible, beginning about April and using them until November, practically all the time.

As to the proper time to buy orchids; we have bought them under all circumstances from an auction of newly imported plants fresh from their native localities to an auction of established plants grown by competent men, and have no hesitation in saying that the new, unestablished article is the best each time. In buying fresh plants, they are always full of vitality though they may look shrunken enough, still there is that in them that no cultivator can replace as a few years of poor management or a change of treatment may demonstrate. They are also unflowered, and to the novice that may not mean very much, it may even sound the reverse of a recommendation, but after a season's growth and it becomes time for them to flower, it will soon be appreciated. With what anxious eyes one watches the buds unfold, and marks the prizes that often crop up among plants that are collected when out of flower, and which would never escape the collectors' hands except at a high figure. A commercial grower offered me only today among others a small plant of cypripedium, two small growths $100, presumably now first flowered from a batch of imported plants, and the third prize he has had to my certain knowledge.

There is no denying the fact that the great majority of the orchids that are of commercial value as cut flowers are the natural product of the great South American forests, and this is indeed fortunate for us, for we can get them here in little time. What are known as semi-established plants are those that have been potted by the importer and sold before flowering; these are just as good as the fresh article, but cost more and are liable to more or less injury in transportation, and we would like here to say that whenever we get a plant new to us, it has become an established rule to take it out of the pot and see what are the conditions of the roots, and it generally amounts to a repotting in new material altogether, and a fresh start as with a newly imported piece. It is too true that we have vermin enough and to spare, but the arch-fiend to the orchid grower has not yet arrived in the shape of a cockroach; (at least he did not stay, for we did once find one, and that gave rise to the present practice), slugs, snails, woodlice and cockroaches all find a refuge in the potting material, and if it is not possible to overhaul the plants at once, be sure and soak them in a tub of water deep enough to cover the pots for at least an hour, and this will bring them to the surface when they may be given a quietus.

On the arrival of imported plants, it is best to cut away every particle of dead or decaying matter such as sheaths, roots and old bulbs, wash all well and place in a shady corner until there are signs of root action, this will be visible in about two weeks, and before the roots get long enough to be broken off in the operation, the plants must be repotted in as small pots as they will go into, first filling up a little more than half full with broken porous bricks, charcoal, or crocks, and surfacing with a layer of the fern fibre before described. It is best to cut the fibre in triangular pieces so that they will fit closely in and make the plants firm and rigid, for it will be found that the young roots will not take hold well if they are not firm and are swayed about by the application of water from the hose. Stakes may sometimes be used to help and we sometimes use wires in perforated pans when the bulbs are long and heavy such as with Lælia purpurata, and would be difficult to keep upright without some such aid, After potting we soak them well, and from this time on, water as often as they get dry.

A whole chapter might be written about watering orchids, but it would not serve better our purpose than to say that orchids should never become dry at the roots, it is only a waste on energies stored up, and while drying is practiced much, and preached a great deal more, it will not work with our bright sunshine all the year even in midwinter. European growers resort to it to induce maturation because of the lack of sun, but we can safely adopt the more rational method. Cattleya bulbs and leaves contain over 90 per cent. of water when grown in their native woods, and every drop we dry out of them is so much energy wasted.

The greatest puzzle to amateurs is to find out when is the proper time to repot their plants, indeed it is not always easy to tell when best to do it, but the safest rule to go by is to watch for the new bunch of roots that emerge from the base of the last made bulb or growth and repot before they are long enough to get injured. This is always a safe rule, but it will be found that no two plants will make roots at the same time, and the result is that there are always some that are in need of attention even in mid-winter, always taking care to get the old bulbs close to the edge of the pot so that the new ones may have room in the new compost for the next two to follow, always avoiding a large shift.

Orchids do not need a large addition of material at the roots at any time; it is apt to become sour and kill all living roots the plant possesses. If at any time a plant loses its roots, and appears to be in a downward way, shake out the plant at once, wash all decaying matter from the roots, trim off all that is dead, and put into a smaller receptacle and keep a little warmer and water carefully for a time until new roots are formed. Before taking a plant out of the pot, if it be well rooted, soak it in water if possible the day before, and it will be found that the roots will leave the sides of the pot intact and those on the outside may be lifted with a knife blade, and there should be no injury or loss of vigor through repotting if these simple rules are borne in mind.

E.

The Late James Bateman.

ANOTHER of the fathers of British horticulture, has passed away in the person of Mr. James Bateman, who died November 27, at Worthing, England. He was a noted authority on orchids, and gave a large share of his wealth and time to the promotion of general gardening.



SIDEWALK FLOWER STANDS—NEW YORK.

Sidewalk Flower Sellers in New York.

In the busy retail thoroughfares of the metropolis the little flower stands shown in our illustration are familiar sights. Hundreds of people earn their living in this manner for the greater part of the year, and the quantity of flowers finding an outlet through this means is something enormous.

These street vendors, who are of both sexes, all ages and races, are a time-honored institution in New York, but their methods and their goods have undergone a great change since the time of wired flowers, bouquets and bouquet green, a generation ago, when the dealer always "made up" his bouquets in the early morning and peddled them from a big basket. The old Russian seen in one of the pictures is the last of the old line, and even he, as the photograph shows, has had to abandon his old bouquets and offer the modern substitute of long-stemmed flowers.

While many nationalities are still represented in the street trade, yet the great majority of those now engaged in it are the Greeks, who by their frugality, shrewdness and persistency have driven all others before them, until they not only monopolize the street trade but have encroached materially on the lines of the legitimate store florists. Some make the curbstone their only headquarters and are always prepared to "move on" with their entire outfit at a moment's notice, on the order of their arch-enemy the policeman or the approach of some truck driver who takes infinite delight in making them scurry and would lose no sleep over the fact of having run over a few of them. Others pay for the privilege of sharing with the newspaper dealers the space under the elevated railway stairs, or occupying recesses, corners and vacant doorways on private property, and many of these are provided with large and attractive showcases with glass shelves, which are housed at night in some adjoining basement and carry a stock which in quantity and variety would at any time swamp the average florist of the smaller towns. Most of those occupying these permanent stands are polite and make friends of the public easily, and an occasional comely French girl is seen whose dainty ways attract desirable customers, but of those who perambulate the sidewalks and gutters many are aggressive and offensive in manner and are neither ornaments nor helps to the prosperity of the flower business in general.

The stock carried by the street dealer is by no means rubbish. He is not long in finding out the chief sources of supply, can locate a surplus afar off by intuition, and can always manage to buy it at a low figure, which, however, is never low enough to suit him. He sells for cash and he doesn't ask credit—for he knows he wouldn't get it—but keeps his roll of greenbacks well in the foreground while he is making his barter, and this same roll wins many a hard-fought battle with the wholesaler, where a ledger account would be utterly routed. The big growers for the New York market have a friend in the street fakir whose value to them can hardly be estimated. A computation of the percentage of the entire cut of roses, carnations and violets which finds a market through these channels would give astonishing results, and the probabilities are that this element will become even more strongly intrenched and exercise a still greater influence in coming years.

Lily of the Valley.

CAN THE PIPS AND CLUMPS BE RAISED SUCCESSFULLY IN AMERICA?

The instructive article on this subject by Mr. William H. Siebrecht in a recent number of the AMERICAN FLORIST is deserving of more than passing notice. It will never do for progressive men to take for granted that because lily of the valley crowns, and many other bulbs and plants have been imported from certian localities for a number of years, they shall always continue to be so.

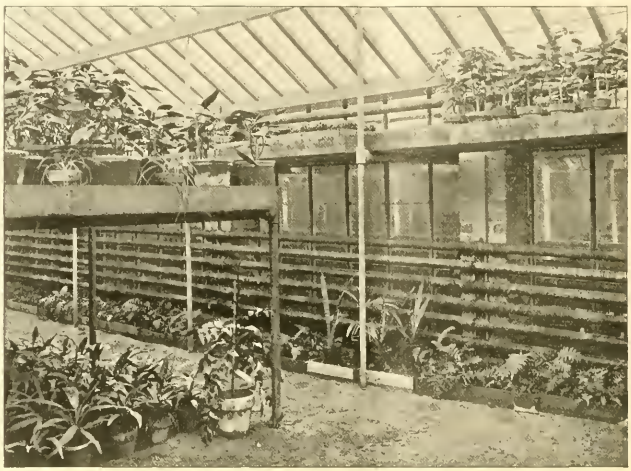
In every line of business, this is a questioning, an experimental age. New methods are being tried, and in floriculture, as in other pursuits, new sources of supply are being developed and will continue to develop. It is not only patriotic, but it is good business to encourage our home industries. Mr. Siebrecht's article makes it easy for any painstaking cultivator, who has at command the proper soil, to experiment with lily of the valley with the view of raising crowns suitable for forcing. It would be useless for any but painstaking men to devote time to this crop. But in the florist business today there are many who apply brains, great ability and modern business methods to their work, as witness their admirable success with specialties such as roses, carnations and chrysanthemums.

Are there not many plants which are at present imported that can be grown at home with profit to the raiser? Spiræa, Dielytra spectabilis, narcissi, pæonies, lilies, clematis, hardy roses, in addition to convallaria, suggest themselves in this connection as all likely to be grown at home in enormous quantities in the near future. Twenty-five years ago, nearly all

the tuberose and gladioli bulbs flowered in the United States were imported. This is no longer the case, simply because somebody thought they could be grown successfully at home and grew them.

Europe has had more advantages than cheap labor in this connection. Engaged in bulb and root producing grounds, there is a class of painstaking garden laborers who aspire to nothing higher. I do not refer to the skilled gardeners, ever on the alert to improve their knowledge and their position, but to the men and women, who for very small wages, work on year after year in the same grounds, where not unlikely their fathers worked before them. Their range of knowledge may be small, but as far as they know they are to be relied upon for good work faithfully done. It will be difficult to meet this want in this country and looking at conditions from other standpoints it may be to our praise as a people that it cannot be met. But by the employment of machinery and improved methods in cultivation, I believe that American grown plants, roots and bulbs of the kinds referred to will soon be on the market.

During the past four years, florists who have grown for the market, have generally been obliged to put up with small returns from crops which in years gone by netted them handsome profits. Competition is not diminishing, and it may be that the time has come for those who are situated so that they can do so, to experiment with the production of forcing and otherwise marketable bulbs, roots, etc. After all, with each the question will be, "Will it pay?" Friend Siebrecht may favor us with his opinion on this point some day. ROBT. FARQUHAR.



SERVICE HOUSES—WASHINGTON PARK, CHICAGO AQUATIC STORAGE HOUSE, DECEMBER, 1897

The Service Houses at Washington Park.

No better planned block of working houses has ever been erected for the purposes required than are these. The houses proper are eight in number; six are 16 feet wide, one 18 feet and one 20 feet each 106 feet long together with the potting shed which has a glass roof to the north. This is 114 feet long and 20 feet wide.

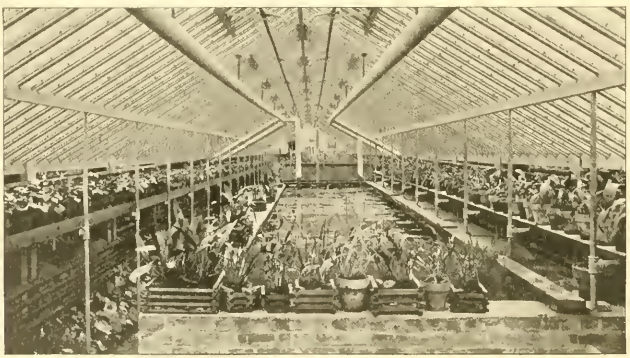
The planning of the houses as well as the construction is an example of what can be done where brains, material and determination are brought to bear. Superintendent Foster and Mr. Kanst had a problem to solve in the disposition of the material on hand from the old plant. That is, glass, bricks, piping and such other wreckage always to be contended with in the destruction of old buildings. For instance, after using the glass available from the old building, to complete the new block of houses the cost of new glass amounted to only $32.00. I may say that the size of glass varies in different houses from 8x10 to 14x16, which is all right for the different kinds of plants grown. The bricks and stones from the old houses are in the columns supporting the gutters, and in other parts of the construction. The piping and iron work is also absorbed to the best advantage.

The object in construction has been obtain as much accommodation in the smallest amount of room; making, as far as possible, two houses in one, that is, a broad upper surface and a basement with as much light and convenience for general purposes as could be obtained for the welfare of the occupants. At this moment there are in the basements of the several houses are ferns, draccenas, etc. So much for the basement plan.

Where there are benches they are all built on the same general lines, the material being iron piping from 1 to 1½-inch diameter rolled angle iron and cement slabs. The illustrations will better explain the scheme of the side benches than all that may be written. It is well to say, however, that all uprights from the floor to benches and to purlins in roof serve a double purpose, they are about eight feet apart. of inch pipe; they are set in concrete a foot below the cement walks, and stand on a brick, and are filled around with good half-and-half cement concrete to the diameter of 8 inches. There are provisions made in the connections either to turn up or down as the case may be thus providing against any sagging. The center benches are supported by 1½-inch piping, standing on basements as in the side benches with here and there a tie pipe to the ridge. The benches have on either side, resting on the piping, a longitudinal line of 1¼-inch angle iron, there are also two lines of same in center of each bench, back to back.

Then comes the surfaces of the tables which are made of Portland cement one part, and two parts of clear grit sand, shaped in forms 18x21 inches and 1¼ thick, these are found to work admirably when placed side by side; the 18-inch way two slabs make a 3 foot bench and the 21-inch give 3 feet 6 inches for center benches. Where large plants are placed the supports should not be more than 6 feet apart. The weight of the slabs are about 35 pounds each; the cost about from 15 to 18 cents each.

The heating is from the same plant as the conservatory buildings. The mains are taken from the potting sheds to the



SERVICE HOUSES—WASHINGTON PARK, CHICAGO—SHOWING ARRANGEMENT OF PIPES AND BENCHES, DECEMBER, 1897.

several houses under the ridges protected with asbestos to the center of each house where it is distributed on either side into lines of 2-inch pipes beneath the benches. In the tropical parts are pipes close to the gutters that may be used as necessity demands. The system is complete in every detail and worthy of individual examination, especially to those contemplating building good sized plants.

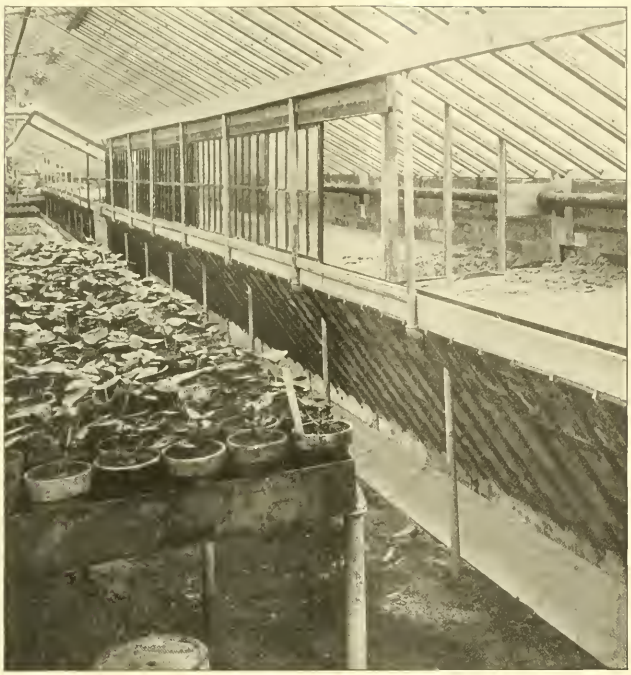
The propagating house to the east has a bed the entire length for cuttings; half of this is exposed to the open; then comes a tank for the germinating of tropical lilies, next a series of closed cases, some of which have blue glass fronts, then red, yellow and yet again others are variegated.

Bottom heat can be commanded of any temperature and at any time between 75° and 110°.

Then comes the aquatic storage house with a tank 7x100 feet around the sides of which are various orchids doing splendidly. Then comes a tropical house full of good things top and bottom. Following these are temperate houses of azaleas, lilies, cinerarias. Then coming to the others we have a superb collection of plants used for summer effects out of doors.

I had almost forgotten to mention that the gutters in each house are supported on brick pillars about 14 feet apart, and that between each pillar is a portion of glass, no boards but plain glass, the object being to get as much light as possible for the basement.

The potting shed is probably as useful as any house in the block; it is 114 feet long and 20 feet wide; it is on the north side and has bench room for 40,000 2-inch pots. It has accommodation between each of the eight houses for scores of rhododendrons, conifers and evergreens. All the pots used can be stored in it. The potting benches are on trollies and when in use they are brought out into the aisle; when done with, they are pushed back underneath the plants, and there you are. J. T.



SERVICE HOUSES—WASHINGTON PARK, CHICAGO—POTTING SHED—DECEMBER, 1897.

Herbaceous Plant Notes.

In midwinter we do uot expect to see very much in our herbaceous borders; we have no flowers on our plants to attract our fancy excepting perhaps a batch of Christmas roses in a well sheltered, shady place, and we may now look for some of their blossoms if the plants are well established in their quarters, it takes them several years to get strong and vigorous, but when once in good growing condition, their flowers will appear regular every winter. In some situations December brings them out, in others we have to wait for them until January or February, but they are sure to come. The exceptionally dry season just past seems to have ripened their growth sooner than usual, and this had an influence on the crowns perfecting their buds in advance of ordinary seasons. We were able to gather a bunch of well developed flowers from a small old patch in the border on December 12, about two weeks earlier than usual. The weather had been very mild for over a week, inducing the buds to push their heads well above the foliage and opening out fast.

In rambling over the grounds my attention was attracted by the bright and cheerful appearance of the foliage on the many evergreen hardy plants; in many cases laid close to the ground, flattened out more or less by the weight of the recent covering of snow but otherwise looking bright and clean, the vivid bronzy red hue of Saxifraga speciosa was particularly ornamental in one spot with the variegated Ajuga reptans in close proximity. Not less attractive were the bronzy shades in the foliage of the various varieties of Phlox subulata and the glaucous broad leaves of Alyssum saxatile. The minute little round leaves of Alyssum alpestre formed a close mat over the ground and the somewhat stronger growing A. Gemonense shows the same pleasing hue. The various Dianthi form cushions of dark and light green, some are colored dark purplish, others light pea green and many have a silvery or glaucous color all of them surprisingly effective when flowers are absent. All the armerias also produce a good effect where planted in masses, arabis and aubrietias with their thick mass of rosettes are as fresh and green in midwinter as they are at any time in the year, erysimums are bright yellowish green and form a smooth densely woven carpet, contrasting well with the deep green of the prunellas and



SERVICE HOUSES—WASHINGTON PARK, CHICAGO—PROPAGATING HOUSE DECEMBER, 1897.

globularias, while helianthemums assume a rich glossy brown tint. The linums are persistent in keeping their narrow little linear leaves and are of a pretty color, stachys and agrostemmas are silvery white in their foliage, the iberis are of a rich very deep green at all times. The same color prevails among the mossy arenarias and in the elegant little sagina or Spergula pilifera. Asphodeline lutea keeps its gracefully arching, bluish foliage all winter and is exceedingly elegant in appearance. Spiræa filipendula with its deeply lacerated fern-like leaves is very dark green, and the roundish foliage of Heuchera sanguinea retains the gorgeous color, assumed in late fall all through the winter months. Lotus corniculatus forms a flat blue carpet and many of the sedums are well known to be remarkably effective in winter. The little rosettes of Erinus alpinus are charming when masses are grouped together. Tellima grandiflora always retains its cheerful color and most of the geums are noted in this respect. Campanulas of the persicifolia section are glossy dark green, so is Statice latifolia and the beautiful Stokesia cyanea. The bold upright foliage of Saxifraga Virginiensis has the same deep color and Lychnis viscaria and also L. semperflorens plenissima assumes a vivid purplish crimson color in irregular blotches, diffused with dark green. Anthemis tinctoria colors up well in the latter part of October and is always good until March. Onobrychis sativa is an attractive plant at all seasons, its feathery foliage being very lasting and clean at any time. Several of the veronicas may be noted for their delightful silvery, glaucous or green color; many of the pentstemons are also prominent among the desirable evergreen plants. Chrysanthemum maximum, some achilleas and ranunculus, stellaria, jasione, doronicums, a few of the irises, etc., may be relied upon to retain their freshness nearly all winter, if not throughout the season. The bold yuccas should not be forgotten here either; they surely deserve a prominent place in the garden, and the little hepaticas with their tri-lobed, bronzy leaves are pretty enough when seen in a large patch.

From the above it will be seen that the evergreen section of hardy plants is by no means very small, in fact with them we may undertake to arrange an evergreen flower border, excluding all other species, desirable as they may prove in their flowering season. If they lose their foliage, or if this becomes unsightly, we can do without them here, for the above list comprises plants which bloom early and late in the season, and with the help of a few spring and fall blooming hardy bulbs such a border could be made a decided success.

I have not mentioned even one-half of all the evergreen hardy plants here, my object being merely to draw attention to the possibility of having a clean and attractive winter garden in any northern latitude; so that when the snow is not hiding our plants we may at least see and admire the various tints in the foliage. We do not have to wait so very long for them after all; the hepaticas, scillas, crocus and snowdrops will, in many localities, appear in March, and when these have once made the beginning others will follow, and it is an easy matter to keep up a constant show until late in autumn. J. B. K.

GREENFIELD, IND.—B. W. Cline is no longer connected with the Greenfield Floral Co. J. W. Myer will continue the business as heretofore.



"Den." "Cyp."
MR. BATTLES' BOYS.

The Great Reporter—Some Boys and Mr. Battles.

Once in a long while the ubiquitous reporter does get things straight even in the horticultural department. But it is so very seldom, that the rare event calls for special comment. I clip this from the *Evening Bulletin:*

HOW A FLORIST RECHRISTENED HIS ERRAND URCHINS.

Odontoglossum Crispum is a boy, so is Dendrobium Formosum and so is Cypripedium Insigne. They are the brightest, most wide-awake boys one will see in many a day. The owners of these extraordinary names are employed by a fashionable 12th street florist as errand boys. It was their employer who christened them, naming them after three varieties of orchids. Their names for everyday use, however, are abbreviated to Don, Den and Cyp. The oldest is sixteen and the youngest fourteen years of age. These little fellows deliver flowers in Washington, Baltimore, Harrisburg, New York and Atlantic City. They never miss a train or lose their way. Their employer has the utmost confidence in them, and knows that no matter where they are sent they will reach their destination if such a thing is possible.

Even the little one, Odontoglossum Crispum, knows how to take care of himself and his flowers in a strange city under all circumstances. They have been in the employ of this florist for almost three years, and he declares he has the brightest boys in the city.

Several things will be noticed in the above item. First that the reporter got his Latin names down O. K. Second that a little squib like this is interesting to all flower buyers, especially this season when orchids are so fashionable. Third, that Battles seems to have a good idea of how to imbue his help with enthusiasm for their employment. Fourth, that the said Battles also has some notion of good advertising. And fifth, that there may be a wrinkle here for other retailers, or at least something to set them thinking. And here's hoping that a word of commendation may help to encourage the reporter to keep on publishing good items like this instead of the usual yawp about some devil-plant or other imaginary enormity that he regales the gaping multitude within his festive moments to our very great disgust. G. C. WATSON.

Philadelphia.

[Neither Mr. Watson nor the reporter say anything about the policeman. We presume his name is Copperosma and that he belongs to the Rubiaceæ.—ED.]

German Floral Designs.

The "art" of arrangement of cut flowers has been discussed in the columns of the FLORIST a great many times, and it is not our purpose to enter into the subject at present. It is interesting, however, to note that our friends across the pond are just now wrestling with arrangements which are here generally termed "monstrosities," and which our German friends call "curios," or in general terms plastic arrangement.

Many of our readers are doubtless familiar with more or less of the German publications which are devoted to horticultural and floricultural matters, but probably few are aware that a journal has entered the field which is exclusively devoted to the art of arrangement in all its details. *Die Bindekunst* (art of arrangement), a weekly publication, contains a number of interesting articles, among which he could not help noting a discussion of the subject before mentioned.

One of the writers, in an article entitled "Arrangement of Curiosities," describing the various designs that were exhibited at the recent Jubilee celebration of the 50th anniversary of the Hamburg-American Steamship Co., mentions old familiar friends. Among others the following designs were noted by the writer, Prof. W. "Anchors" in variety, both steam and sailing vessels in tremendous sizes, flags of every nation in the world wrought with a care of detail worthy of a better cause, one of the greatest achievements being the union of the German and American flags. Next we note a powerful array of locomotives, and don't let us forget a mighty "Cognac" bottle, most artistically (?) made of the single blossoms of Dutch hyacinths, a colossal "drydock," built of lily of the valley and forget-me not. "But the crowning effort, the writer continues, "was a monstrous 'lighthouse,' which rested on a foundation of cork, representing rocks. The tower was fashioned of grey moss, the window arranged with suitable flowers. The lanthorn at the top, also garnished with flowers, the glass representing the light within, being made of plates of red gelatine." And concludes Prof. W., we call this art! Can we imagine that the Lord ever created such a divine thing as a flower to have it desecrated by such arrangements as these.

The article is, however, too long to quote entire. To show, however, that there are two sides to this question, we find that Herr R. talks on it in a different strain. This gentleman being in the business for what there is in it, argues like this:

In speaking of what is termed "plastic" arrangement, that is, those arrangements that follow a given form or model, such as a pillow, an anchor, cross, or column, I have seen a great many pieces arranged with such grace and good taste, the garnishing (trimming or festooning, we should call it) so loose and pleasing as to suggest nothing of a "plastic" form. It is the true artist that will impress his own genius on his creations. Any workman with an eye to the æsthetic and an appreciation of color effect, can make such a

plastic arrangement so truly artistic that even Prof. W. could find no fault with it. So works the true artist. But how often can we in our calling follow our instincts as artists? Are we always allowed to follow our own ideas in our arrangements? I maintain that above all one has to be a man with an eye to business, providing he intends his business to furnish him the means of buying bread and butter. We are therefore often compelled to forego our own ideas in order to please our customers. If he or she insists upon having a piece made to suit their own peculiar taste, we are perforce compelled to comply with their wishes, however distasteful from an artistic standpoint such an arrangement may be. We are fully aware at the outset that the thing must necessarily be a tasteless jumble. We are also aware that such are apt to be criticised by the floricultural press, but there is no help for it. We will have to make whatever is called for, that is, if we keep an eye on business. Our customers pay the bill; that is sufficient.

Carnations.

It is getting near the time now when a grower will be able to figure up how he is going to stand in regard to success or failure for the season of 1897 and 1898. I am one of those who, when I see a variety getting left in the rear by newer ones coming along, I want to drop them at once and take on with the new. But of course, not before being thoroughly satisfied that the new one is going to eclipse some old one in the same class or color, for to linger with some pet variety for old acquaintance sake is just as bad as to buy some new variety that you have never seen on exhibition or growing. I am always kind of chuckling to myself that I was wise enough or lucky enough to discard all red carnations for Jubilee, although I know some who have had more cause to chuckle than I.

This variety is the most cheerful to look upon, both flowers and plants, of any variety that I have ever seen, at the same time I have in mind a grower who paid



A GERMAN FLORAL DESIGN.

When I started in business it was my principle to carry only the very best stock and produce only the very best work. I have been true to this principle for ten years, and during this time have often been sought for by people outside of my regular clientage. Before I would consent to make up a tasteless arrangement I would refuse such an order altogether. I found to my sorrow, however, that considering the matter from a financial standpoint it proved a failure I find that that portion of the flower-buying public who possess sufficient taste to appreciate an effort in this direction is far too small. I therefore changed my tactics to my own advantage. To sum up, I hold that one must be a business man first, artist after. He who combines the latter with the former will always be able to give to his work a true artistic impress.

Well, there you are. Our German friends seem to be as much interested in this question as we are over here, and about as near a solution. Let the merry war go on.

$10.00 per 100 for it, planted it in the field, and discarded it before housing time, owing to its being smothered with rust; if you want to see that cheery appearance of it you must plant it in the house not later than July. This year I planted inside in June all the carnations I could at that time make room for, and I am so well satisfied this is the correct way that I for one shall never plant outside again any that I am expecting to cut flowers from in winter, with the exception of seedlings, for all the varieties I have tried respond better to entire house culture.

Every flower cut is first-class from the first to the last and will always sell at a fair price, even when the market is glutted. Diseases do not bother them near as much, and you have them more under your control where you can see them and administer to their wants much better than outside. Jubilee is the only one showing rust, and that so very little that it takes a lot of hunting to find it, and I think by this way of growing it you can get rid of rust entirely.

Varieties I intend discarding for newer ones are Goldfinch for Mayor Pingree, McGowan for Flora Hill, which I must say grow with a fairly good stiff stem in this heavy clay soil. Also Mrs. Geo. M. Bradt has a better stem than seen at some places; this is a grand variety for a retail grower, although it ought to be for any grower who has the knack of turning out good stemmed stock; good old Tidal Wave has got to get up and get to make room for one that I have watched for three years, that will be sent out next spring; Mad. Diaz Albertini is an old friend of mine, at least she is not, but the carnation is. I find that what the introducers say of it is true, that if you do not grow it in summer it must do its growing after being housed before you can pick many flowers. This is one of the varieties I had to leave out until fall. I shall not discard it, as it answers my purpose too well for that; Armazindy is one of the most useful varieties of all; it fills two places: it is a very free flowering one and an elegant grower. I can never see why this variety is not more abundant in the market.

Before closing these remarks I would say do not shake your heads at indoor culture of carnations in summer. In about two years the majority of our carnation growers will adopt that method. Some will not take kindly to it, because it requires a good deal of hustling about the time they are looking forward to a vacation. Some claim they cannot afford to throw out the old ones so early; no more can you the roses; but you find it pays you better to do it in order to get your young stock agoing; others say you cannot get as many flowers in midwinter. To such I would say pay a visit to my place and see for yourself. You can easily manage that by proper pinching back before flowering time comes.

JAS. HARTSHORNE.

Carnations.

It is astonishing in these days of keen competition and progress, the slovenly way so large a quantity of carnations are placed on the market, when a little taste and judgment would alter the entire appearance of lots of such stock and largely increase the returns for it. You find many bunches of flowers in the commission houses that appear to have been cut by moonlight, taking everything as it comes, good, bad and indifferent. They are tied together with coarse, heavy twine, utterly unsuited to the purpose, and when one of these bunches contains three or four half developed flowers and a like number of poor-colored ones, the critical buyer spots them at once. The usual result is: "What's the price on these?" "Oh! A dollar for the lot."

If a little care had been exercised in preparing the flowers for market, and not cutting them, under any consideration, until they were fully developed, sorting carefully into two grades and marking one lot firsts and one seconds, satisfactory prices could have been realized.

We make it a practice to cut our flowers in time to stand at least from twelve to twenty-four hours in water, in a temperature of as nearly 50° as possible. They are placed in jars so that they stand erect before shipping. This improves the texture of the flower and keeps them in good condition while passing through the commission house. In tying up the bunches we use two rubber bands one at the ends of the stems and another about three parts up; this has proven to us the neatest as well as the cheapest way of tying them up. Of course the best way to ship carnations when sending direct to

retailer is to pack them singly in shallow boxes, but the commission men in this market (Chicago) prefer them bunched, as they are better able to handle them that way.

If you wish to have carnations for summer flowering outdoors they should be started by this time. As soon as rooted pot them up and put in as light a place as possible, giving the regular carnation temperature, choosing the white, red and the deep pink colors, as the light pink are of little value for this purpose They will need to be potted on according as they require, so as not to give them any check and be able to have good stocky plants when planting out time comes. If then properly treated they will throw lots of flowers in late summer and early fall when flowers are scarce through replanting. To the retail man that grows his own stock and needs a continual supply, it would be a benefit, but it is a question to us whether it pays to grow carnations for market this way, when the good room they take up from now till spring can be used to better advantage.

C. W. JOHNSON.

New York.

LITTLE STOCK AND CONDITIONS NOT FAVORABLE.—BEAUTIES SHORT.—VIOLETS PLENTIFUL.—THE FLATBUSH BOWLING CLUB.—LARGE QUANTITY OF MISTLETOE SPOILED.—NEW JERSEY FLORICULTURAL SOCIETY.

At present writing conditions are not especially promising for Christmas week business in cut flowers. No doubt the last day or two will bring a rush, but that will not atone for the dullness prevailing in the first half of the week. There is very little stock in market and the only plausible explanation of its absence is that it is being held "in pickle" at the greenhouses. The outlook for shipping business is very bad, no orders of any account having been received from outside localities thus far. The local retailers are doing all they can to boom the plant trade at the expense of the cut flower business, and altogether the prospect is not over-bright for those whose entire interests are tied up in the sale of cut flowers.

Bulbous stock is accumulating again, lily of the valley especially, and the best price is 3 cents, but it averages much lower; a small quantity of special grade sells for 4 and 5 cents. Roman hyacinths and narcissus are also very slow, from 50 cents to $2. Carnations will not be as plentiful and prospects are that they will average up well. Beauties are scarce now, prices advancing on all grades and no indications of a drop later in the week. Violets give evidence of being plentiful, there being a large reserve stock in readiness for market. Outlook for Bridesmaids is encouraging, but the opposite is true of Brides. Mignonette should do well. Smilax is overstocked at low figures, asparagus going freely at 50 cents a string.

The Flatbush Bowling Club met last Thursday night. There is nothing especially new about that, however, as this very jolly organization of florists meets every Thursday night and a Flatbush florist must have very serious business on hand to keep him away from the alleys. No diversion would be strong enough to tempt him, for Thursday is sacred to bowling. Everyone puts his whole heart and soul into it while there, and every roll is watched and the roller applauded or commiserated according to the success he meets. Each one picks out his favorite ball as he would a diamond. When Papa Zeller's ball goes on its slow and sinuous travels down the alley, then swings into center and topples over the whole business, a great cheer goes up; when he makes a difficult spare he is escorted to his seat in triumph, and when he happens to miss it a chorus of groans follows and they sigh "Oh! he ought to have had it." All was agreeable and harmonious last Thursday until the penny-in-a-slot machine in the corner refused to disgorge a slab of tutti-frutti for some of the boys, whereat Louis Schmutz advised them to "blankety ——, kick the blamed thing over," and Louis has just the right kind of legs for that sort of a job. George Huidmuller, Papa Zeller and Henry Dailledouze each went home with their pockets full of money captured from the pot, and Riley and Mellis stock took a tumble for the time being.

Alex. Burns did not like the proposition to rule out the greenhouse boilers from competition for the Florist Club's gold medal, at the last meeting. "What does a rose grower care about a new carnation? He'd rather have a new boiler and a new boiler don't pop up every week," said he. Charles Weathered, with the air of a man who could prove what he said, promptly informed him that "there are forty new boilers put on the market every week." Then John May murmured, "The boiler question is just as it always was and always will be—in hot water."

There is plenty of dormant wit in the New York Florists' Club, not counting Mr. John Morris, who has plenty of it on tap for all emergencies, Mr. President.

Among the best violets coming in now are those John Raynor is receiving from Sutton's big plantation at Babylon. Mr. Sutton was late in starting but there was wisdom in his manœuver, if such it was, wisdom or luck, the result is the same.

One of the down town dealers had a consignment of upwards of two hundred cases of mistletoe spoiled by heat on the way. Luckily he ascertained the condition of the stuff before accepting bill of lading and is correspondingly happy.

The New Jersey Horticultural Society will hold its annual supper and installation of officers at Orange on Monday, January 3.

Rose Notes.

Unless our friends of the weather bureau shall decide to give us a better article pretty soon, or at least something more seasonable, we may have to adopt the English style of rose growing. The damp foggy, warm and sunless weather of the last few weeks could hardly have been surpassed in the neighborhood of London. It has probably saved a few tons of coal, which is a blessing certainly these dull times, but the saving in fuel is more than offset by the diminished cut and inferior quality of the product. Before these notes appear in print we hope for crisper air and brighter skies.

The very low prices that have prevailed all through the fall will no doubt make us more eager than usual to have heavy shipments for the holiday season.

It is surprising how many people there are in the trade as well as out of it, who are unreasonable enough (a stronger adjective should be used) to think that because it is Christmas, and roses are in great demand, and bring good prices, that something in the air, or the sun, or the personality of the grower should operate to open the flowers after the "Arabian Nights" style, and it is a fact that unless the daily cut is increased from 100 to 300 per cent. there will be disappointment and dissatisfaction all round.

The end of December is the one time above all others in the whole year when we cannot in reason expect roses to produce heavily, and if we are going to run in opposition to nature and compel them to bloom we must expect nature to get even, for she surely will. I have heard of growers having increased the temperature in their rose houses 10° during the week preceding Christmas, and the poor fireman has had peremptory orders to hold it right there regardless of the conditions prevailing outdoors, and if his work did not receive very much scrutiny at other times he could reckon on a watchful eye over him then. The increase in cut may have been from 14 to 25 per cent. but towards the end of the week the quality would be off about 50 per cent., and both quantity and quality lacking during the last week of December and the early part of January.

If the stock is already soft, as is liable to be the case this year on account of moist, dull and warm weather, it will be rash folly to raise the temperature over the holidays a single degree in order to force out more bloom. The only safe course will be to maintain a minimum temperature, give as much air as possible (a little ventilation and gentle fire heat on warm humid nights will be beneficial, keep moderately dry at the root, and syringe overhead only to keep down spider.

We shall no doubt hear after the holidays of the man who kept back a whole week's cut for Friday morning, thinking he was doing a fine stroke of business, and became indignant when the commission man pronounced it stale and unsalable. It is possible to keep cut roses three days, however, at this season of the year and still honestly sell them as "fresh flowers" provided we have a good and commodious ice box. They must however be in prime condition when cut, no spotted or decayed petals. It will not do to cut immediately after syringing, such flowers cannot be held more than a day. The sorting and grading should be done immediately after cutting to save further handling and get the different lengths together in one pot. To have roses keep well we must use suitable jars, not crowd too many flowers into them, allow each bloom sufficient space in the bunch and give each pot adequate room in the cooler.

ROBT. SIMPSON.

Cleveland.

By the time that this reaches the reader the extent of Christmas business as compared with other years will be fully known; hence any forecast additional to what may have already been said at an earlier date would be superfluous. The weather has continued unfavorable (as practically the entire month so far has been) and there is no apparent prospect for much improvement excepting in so far as a moderate cold wave has frozen up the mud underfoot and made getting about less unpleasant for Christmas buyers in all lines. It is certainly to be hoped that business will show sufficient improvement in quality and prices to offset the scantiness of supply that has been evident ever since chrysanthemums have been through with. Business lately has shown the streakiness that characterized the Irishman's pig. One day there have been a few indications of fat. Then there would be a dullness that is not satisfactory at this season, although one or two stores report business as averaging fairly well.

The next meeting of the Florists' Club takes place Monday December 27 A.

REVIEW OF THE WORK OF THE CHRYSANTHEMUM SOCIETY OF AMERICA FOR 1897.

NAME.	Where Shown	Date.	Exhibited by	Color.	Type.	POINTS SCORED. Scale.	Color.	Form.	Fullness	Stem.	Petalage.	Size.	Distinct.	Foliage.	Total.	REMARKS.
Ben Nevis	N. Y.	Oct. 16	Wm. Anderson, Mamaroneck, N.Y.	Creamy white	Jap. Ref.	C	15	20	15	10	7	13			80	Streaked with pink; short, broad petals.
Mrs. Arthur J. Caton	"	"	W. N. Rodd, Mt. Greenwood, Ill.	Light mahogany gold reverse	Jap.	C	5	10	15	10	5	10			55	
" " "	Boston	"	" "	Reddish yellow	"	C	15	18	12	10	8	12			75	Face of petal reddish orange, reflex or. yellow.
" " "	Phila.	"	" "	Bronze	Jap. Ref.	C	18	25	15	10	8	12			88	
" " "	"	"	" "	"	" "	E	12	15	10	10		12	22	10	91	
" " "	Cinci'ti	"	" "	"	Jap.	E	8	6	10	10		11	20	10	75	
Miss Clara Nevin	N. Y.	Oct. 23	Wm. Hillebrecht, Union, N. J.	White	Jap. Ref.	C	23	18	10	8	5				72	
Peter Kay	Cinci'ti	Oct. 16	Robt. Laurie, Newport, K. I.	Amber yellow	Jap.	C	20	22	13	9	8	15			87	For H. Yoshike, Oakland, Cal.
Boundless Snow	Cinci'ti	Oct. 16	E. G. Hill & Co., Richmond, Ind.	White	Not given	C	20	25	15	9	6	12			87	
Solar Queen	N. Y.	Oct. 23	" "	Yellow	Jap.	C	23	21	12	10	7	13			86	Slightly Inc.
" "	Chic'go	"	" "	Light yellow	Jap. Inc.	C	20	22	12	10	9	13			86	
H. W. Longfellow	"	"	" "	White	" "	C	20	22	13	9	8	13			85	Pink shadings on lower petals.
"	N. Y.	"	" "	"	" "	C	22	22	15	10	5	8			82	
Australian Gold	"	"	" "	Light yellow	Jap.	C	23	23	15	7	9	14			91	
" "	Chic'go	"	" "	"	Jap. Inc.	C	18	20	12	6	8	13			77	
R. W. Emerson	"	"	" "	White	" "	C	15	22	13	9	8	13			80	Shading to yellow in center
Bessie Hollis, No. 2	Phila.	Nov. 13	" "	Deep yellow	" "	C	23	20	14	10	8	12			87	
" " No. 2	"	"	" "	"	" "	E	14	13	10	10		13	20	8	88	
" " No. 1	N. Y.	"	" "	Yellow	" "	C	20	10	13	8	6	10			67	
" " No. 111	Chic'go	Nov. 12	" "	"	" "	C	24	18	13	9	6	13			83	
Autumn Glory, No. 3	Phila.	Nov. 13	" "	Pink	Ref	C	23	21	14	9	8	12			87	
" " No. 3	N. Y.	"	" "	"	"	E	14	13	9	9		12	21	8	86	
" " "	Cinci'ti	"	" "	Shell pink with fleshy shadings	Jap. Ref.	C	22	20	15	8	8	14			87	
				Light salmon pink	Jap.	C	22	22	13	9	8	13			87	
" "	Chic'go	Nov. 12	" "	Pink	Jap. Ref.	C	23	22	13	8	8	13			87	
Black Hawk	"	"	" "	Intense crimson	Jap	C	25	21	14	5	8	11			85	
Madron	"	Nov. 20	" "	Bronze	Jap. Inc	C	19	19	13	8	7	13			79	
" No. 2	Cinci'ti	Nov. 13	" "	Y'll'w sh'd'd br'nze	Jap.	C	21	18	12	9	6	12			78	
No. 1	"	"	" "	White	"	C	22	19	12	8	8	13			82	
Niagara, No. 169	"	Nov. 20	" "	"	Jap. I c.	C	20	18	14	9	7	13			81	
Pennsylvania	"	Oct. 16	Hugh Graham, Philadelphia, Pa.	Beautiful shade of light yellow	" "	C	23	23	13	8	8	12			87	
"	N. Y.	Nov. 6	" "	Canary yellow	" "	C	24	23	13	8	10	12			90	Sport from Philadelphia.
"	Boston	"	" "	Sulphur	" "	C	25	25	12	8	10	12			90	
"	Phila.	"	" "	"	" "	C	23	24	14	8	9	13			91	
"	"	"	" "	"	" "	E	13	15	9	8		13	23	8	89	
"	Chic'go	Nov. 9	" "	"	" "	C	22	23	13	6	9	13			86	
Mrs. O. P. Bassett	"	Oct. 23	Bassett & Washburn, Hinsdale, Ill.	Light yellow	" "	C	20	22	13	9	8	13			85	Sport of Mrs. H. Robinson
Sea Foam	N. Y.	Oct. 30	D. Wm. Bramard, Tho'p'ville, Con.	Cream	Jap. Ref.	E	7	3	3	6		6		6	31	
J. R. McDonald	"	"	Jno. Marshall, Purchase, N. Y.	Canary yellow	Inc.	C	23	20	13	9	4	12			81	
Matterhorn	"	"	Peter Henderson & Co., N. Y.	White	Jap. Ref.	E	13	12	10	7		10	15	8	75	
Klondike	"	"	" "	Rich yellow	" "	E	15	12	10	8		12	5	6	68	Frequent lilac pink suffusion and markings.
Mrs. C. F. Diehm	"	"	" "	White	Jap. Inc.	E	5	7	10	8		10	10	6	56	
Florence Turner	"	"	" "	Amber	" "	E	10	10	8	6		7	8	6	55	
Mrs. Wm. Massie	"	"	" "	Rosy pink	" "	C	20	20	15	8	8	10			81	
"	"	"	" "	"	" "	E	12	13	10	9		12	15	9	80	
Col. D. Appleton	"	"	J. R. McDonald, Riverdale, N. Y.	Yellow	" "	C	20	12	10	8	6	10			66	
Grace E. French	Boston	Nov. 2	Geo. Hollis, So. Weymouth, Mass.	Cream white	Ref.	E	15	13	8	10		13	18	10	87	English importation; irregular and twisted petals
Frank Hardy	N. Y.	Nov. 6	A. Herrington, Madison, N. J.	White	Jap. Inc.	C	22	23	15	10	10	15			95	
" "	Phila.	"	" "	Creamy white	" "	C	23	23	12	10	9	12			89	
" "	"	"	" "	"	" "	E	13	13	9	10		13	22	8	88	
" "	Chic'go	Nov. 10	" "	White	" "	C	23	23	14	10	9	14			93	Whorled.
" "	Boston	Nov. 6	" "	"	" "	C	25	24	15	10	8	15			97	
Kineo	"	"	C. S. Goddard, Est., Woodfords, Me.	Y'll'w sh'd'd or'nge	Ref.	C	23	18	12	10	7	10			80	Cross bet. Ivory and H. Sonderbroch; dwf. grower, fine foliage; if early, of value; not up to standard for medium or late.
Ophir	"	"	" "	Deep yellow	Jap.	E	15	15	10	7		12	15	10	84	Seedling from Lincoln.
Silver Wedding	N. Y.	Nov. 13	W. G. Somersall, Fishkill, N. Y.	Pure white	Jap. Ref.	C	25	18	10	5	8	10			76	
Chas. W. Crouch	Cinci'ti	"	Chas. W. Crouch, Knoxville, Tenn.	Magenta pink	" "	C	20	21	14	9	8	13			85	
Iowa	Chic'go	Nov. 12	Jno. Beimford, Wilton, Iowa.	White	Jap.	C	21	17	12	6	8	10			74	
Mrs. E. N. Roth	Cinci'ti	Nov. 13	J. A. Peterson, Cincinnati, O.	Canary yellow	Jap. Inc.	C	20	23	13	7	8	12			84	
Mrs. Sam'l Higdon	"	"	" "	Blush white	Jap.	C	21	20	14	8	10	14			87	
Snow Queen	Chic'go	Nov. 6	F. Dorner & Sons Co., LaFay't, Ind.	White	"	C	24	24	14	7	8	10			87	
Mrs. C. H. Peirce	"	Nov. 20	" "	Deep yellow	"	C	24	24	14	9	8	11			90	
" "	Cinci'ti	"	" "	Yellow	Jap. Ref.	C	23	21	14	9	8	11			86	
" "	Phila.	"	" "	"	Inc.	C	23	23	15	10	8	11			90	
" "	"	"	" "	"	"	E	13	14	10	10		11	20	9	87	
" "	Boston	"	" "	Bright yellow	Jap.	C	5	22	15	9	8	12			91	
Mrs. Wm. B. Brown	Cinci'ti	"	Theo. Bock, Hamilton, O.	White	Jap. Inc.	C	22	21	14	9	8	10			84	
" "	Chic'go	Nov. 27	" "	"	Chinese.	C	20	20	12	8	8	10			78	
Alice F. Carey	Phila.	Nov. 6	Robt. G. Carey, Chestnut Hill, Pa.	Light pink	Jap. Ref	C	18	17	15	10	8	10			78	
" "	"	"	" "	"	" "	E	11	13	10	10		11	23	9	87	Height, 3½ feet.
Robt. G. "	"	Nov. 13	" "	Creamy white	Jap. Inc.	C	25	22	14	8	8	13			90	
" "	"	"	" "	"	" "	E	13	13	9	8		13	23	7	85	
Spottswood	"	Nov. 20	" "	Light yellow	Inc.	E	23	23	14	10	9	12			91	
"	"	"	" "	"	"	E	12	14	10	10		12	22	8	88	
Miss G. Vanderbilt	"	Nov. 6	Jno. N. May, Summit, N. J.	Creamy white	Jap. Ref.	C	23	23	15	8	10	13			92	
" "	"	"	" "	"	" "	E	13	13	9	8		13	23	9	88	
Minnewaska	"	Nov. 20	" "	Pink	Jap.	C	18	20	14	9	9	11			81	
"	"	"	" "	"	"	E	12	12	9	9		10	16	9	77	
Doloros	"	"	" "	Not given	Not given	C	21	21	11	10	8	13			84	
"	"	"	" "	"	"	E	12	13	10	10		12	18	8	82	
No. 57—Zenta	Cinci'ti	Nov. 5	N. Smith & Son, Adrian, Mich.	Straw yellow shading to white	Jap.	C	18	18	11	7	7	12			73	
Arline	"	Nov. 20	" "	White	Jap. Inc.	C	22	22	14	9	7	10			84	
"	Boston	"	" "	"	Inc.	C	25	18	15	10	7	12			87	
"	"	"	" "	"	"	C	15	12	10	10	5	15	18	10	98	Entirely distinct and new in form.
Thorndeu	"	"	" "	Deep chr'me yellow	Jap.	E	23	23	15	6	8	15			92	
"	"	"	" "	"	"	E	15	15	10	8		15	25	6	94	
Rostique	Cinci'ti	"	" "	Bronze yellow	Jap. Inc.	C	16	18	12	8	6	13			73	
"	Chic'go	"	" "	Light bronze	" "	C	22	21	12	9	8	13			85	
Stelleta	"	"	" "	Yellow	Jap. Ref.	C	24	19	13	5	8	14			83	
Merza	"	"	" "	White	Jap. Inc.	C	24	22	13	7	7	12			85	
Our Dear Friend	Phila.	Nov. 27	W. K. Harris, Philadelphia, Pa.	Canary yellow	" "	C	20	23	13	9	10	14			89	
" "	"	"	" "	"	" "	E	13	14	8	10		14	22	8	89	
Mrs. Geo. F. Baer	"	"	Ferdinand Heck, Reading, Pa.	Light yellow	" "	C	20	23	14	9	10	14			90	
" "	"	"	" "	"	" "	E	12	14	9	10		13	23	9	90	Sport from Mrs. J. Jones.
W. H. Chadwick	"	"	Grove P. Rawson, Elmira, N. Y.	Blush white	" "	E	22	22	14	10	8	13			89	
" "	N. Y.	"	" "	"	" "	E	13	13	9	9		13	23	9	89	Some blooms show a pink suffusion.
" "	Boston	"	" "	"	" "	C	21	21	15	9	8	12			86	
" "	"	"	" "	"	" "	C	22	23	15	9	8	15			92	With rosy tinge under certain conditions.
" "	Chic'go	"	" "	Pearly white	" "	E	13	12	10	9		15	24	10	93	
						C	23	24	14	10	8	14			93	Inside petals tinted pink.

NOTE.—Since judging Peter Kay, it has been ascertained that this variety is synonymous with Jeannie Falconer, which was exhibited at New York City November 10, '94, and certificated by the Society; hence certificate will be withheld. As there are several yellow sports from Mrs. Jerome Jones, and one of which (Henry Nanz) is now in commerce, it is deemed advisable to withhold certificate on the variety, Mrs. George F. Baer, until its distinctiveness can be determined.

ELMER D. SMITH, Secretary.

Suggestions on Chrysanthemum Committee Work.

Before the next chrysanthemum season comes around can there not be an improvement in the way in which certificates are awarded by the Chrysanthemum Society of America? It is certain that some change is needed. While these committees have done much good there is still too large a number of disappointing new varieties certificated by one or the other of the various committees.

How to bring about an improvement is a difficult matter. I would suggest the following as likely to be of assistance:

First, that all exhibitors be required to send three flowers before all committees, three will be just as good as six as at present, and will not take so many flowers to go around. By this means it will be seen how they show up all over the country.

Second, that exhibitors be required to give height of growth, whether a seedling or sport; and, if possible, what it came from. I believe that this plan, or something on these lines, will become necessary.

The points themselves want improving. I fail to see the necessity of having 25 points for form and 10 for fullness. They both cover the same ground, as it is impossible for a variety to be of good form with an eye in it. It is very interesting to note the difference in the reports of the various committees regarding the novelty Wm. H. Chadwick exhibited November 27. Chicago valued it highly and rightly, as exhibited here it showed up as one of the best of this year. It is good in all points with the exception of lacking a trifle in substance of petalage; not enough to harm it in any way if growing qualities are on a par with flower. New York, on the other hand, considered it just good enough to skim through.

It would be very interesting to us westerners to hear from them in what particular they consider it lacking, as judging by some varieties they have pointed up we should have thought the variety in question would have scored high.

GEO. STOLLERY.

Boston.

CUT-FLOWER TRADE HOLDING BACK FOR CHRISTMAS.—SUPPLY OF FLOWERS, IN ADVANCE, LIGHT AND HOLIDAY RESULTS LARGELY DEPENDENT ON THE WEATHER. —COLORED CARNATIONS AND BRIGHT ROSES LEADING.—HARRISII LILIES SCARCE.—PLANT TRADE GOOD.—AZALEAS SOLD OUT EARLY.—HOLLY TRADE ENORMOUS.—ALL GREENS GO WELL.—LAUREL WREATHS IN DEMAND.—A WEDDING.

The early days of Christmas week find the cut-flower market in the uncertain condition customary at this date. The local demand for flowers, outside of funeral and other unavoidable obligations, is exceedingly light, and it is not practicable for the retailer to buy up much stock in advance, as most of that offered has been detained at the greenhouse as long as its condition would permit. So much depends on the sort of weather to come that it is not possible to foresee what will become of the stock now on hand, but for the present it is certainly moving slowly at the prices asked, which are moderately advanced beyond those quoted last week, but are not nearly as high as in past years.

Colored carnations hold a leading position and the brighter roses share the special demand with them. White flowers are becalmed; no one thinks of any great run on them and prices are advanced with much timidity. It appears that there are no Harrisii lilies to amount to anything, in this neighborhood, and there is no difficulty in getting fancy figures on them. It would not take a great many, however, to overload the market, for the demand for them at Christmas is always a limited one.

The plant trade is in healthy condition. Azaleas are all cleaned up, not a plant in bloom being left unsold and many more might easily be disposed of. While there is a good supply of ornamental fruited plants and poinsettias it is a matter of surprise that the quantity and quality of flowering plants offered averages low. Chinese primroses run mostly in small sizes, good cyclamens are rare and of heaths there are practically none.

Holly trade is already far ahead of the record; despite the predictions to the contrary the quality of holly in this market is very good. Unless unexpected large consignments appear a decided shortage is inevitable. The advance call has been something unprecedented. Laurel wreaths are also far ahead of the game, and the makers are overwhelmed with orders. Southern smilax goes lively and all sorts of green material, with the exception of palm leaves and palm crowns, find a satisfactory demand.

Carrie Jeanne, daughter of J. A. Foster, Dorchester, was married on Saturday, December 18, to Chas. H. Wray, and will hereafter reside in St. Louis, Mo.

H. Alburger opposite South Laurel Hill Cemetery has a large number of ivy crosses and wreaths, and the same of holly for cemetery decoration. He pays great attention to this class of work and it would be hard to find better made up pieces. The ivy designs are made very close so that when they dry out and the leaves commence to shrivel they will not show the moss underneath. The crosses are made on a base to stand and the main body of the frame is square giving them a massive appearance; a few selected sprays placed here and there when finished give them an additional and artistic touch.

Westcott Brothers, his neighbors, have also a lot of the same class of work which will keep them very busy until Christmas day.

The top notch of the holiday prices is hard to predict; $20 is understood to be the price for the select teas by some of the select growers. Other grades will be sold for $10, $12 and $15, depending on the aggressiveness of the grower and the backbone of the dealer, quality and freshness figuring somewhat as well. Beauties will sell for from $25 to $100 per hundred, with plenty of stopping places between.

Carnations are quoted at $2 to $4 and probably a few select at $5. The few about at present would indicate that



STORE OF M. A. McKENNEY & CO., MILWAUKEE.

Philadelphia.

PROSPECTS GOOD.—PRICES RULING HIGHER. —BLOOMING PLANTS SCARCE.—WEATHER MORE FAVORABLE.

At the present writing everything is going forward at a fast pace, the object being to get in line in time for the Christmas rush. It seems no matter how the work is plowed and laid out ahead, there is always a lot that remains undone. Things that it was fully expected would be ready for the holiday business are finally pushed to one side and abandoned, the more imperative ordered work taking up all the time.

There has been for the past few years a falling off in the demand for designs of dried work for cemetery decoration. Every spare moment for weeks before Christmas used to be utilized in getting these forms ready; now, however, but few many of those that are getting tired standing on the plants will probably take the first opportunity they get to go to sleep. Violets, too, are wasting their fragrance on the desert air of their present surroundings, and there may be none left when they come to town. Prices are to be from $1 to $2. Hyacinths and valley will be plentiful at from $3 to $4.

Everybody wants to sell smilax at $12 to $15.

Harrisii lilies bring $12 to $15, lycopodium $12 to $15. Blooming plants are scarce. Small plants of poinsettia are much sought after; the market would take many more. Azaleas are also scarce, but few being in the market. No one seems to have any primroses in quantity, and so it is with all the other stock. R. Craig's cyclamens are all sold that are in flower. Solanums are all gone; the grow-

ers will certainly now have the room they are always craving for.

Everything points to a good season, and the weather, which was bad, seems to have turned for the better. K.

Chicago.

FIRE AT GEO. REINBERG'S.—ACCIDENT AT KENNICOTT'S.—PLENTY OF STOCK IN MOST LINES.—PRICES LIKELY TO RULE LOWER.—BEAUTIES, VIOLETS AND FINE CARNATIONS SCARCE.—MORE FLOWERING PLANTS HANDLED THAN USUAL.—VISITORS.

One of Geo. Reinberg's boiler sheds was burned last Friday night, together with the ends of three meteor and one smilax house. Loss, about $1,000. The fire is supposed to have been caused by the steam pipe coming in contact with the woodwork. The accident coming at this time will leave Reinberg Bros. somewhat short of Meteors for the holidays. Their stock of this rose has been extra good for this season of the year.

An accident happened at Kennicott's a few days ago. Their ice men were putting a large cake of ice into the ice box, which is about seven feet high. One of the men let go his hold and it slipped back, hitting one of the men in the face. The injured man was taken to St. Luke's Hospital.

W. W. Winterson has gone to Washington and Oregon on business for the firm of Vaughan, McKellar & Winterson, of which his son is a member.

The retail florists complain of very poor business in the cut flower line.

Green and holly are selling fairly well. Good holly is none too plentiful, but there is poor frozen stock to *burn*. The shipping trade this week has been phenomenally good. All of our wholesalers report orders largely in excess of any previous year. As a consequence prices have held up to our last week quotations, although stock has been coming in more freely than was expected. There is more stock on market to-day, Thursday, than there has been any other day this week. Monday and Tuesday stock was scarcest and prices firmest. The prospects are that there will be plenty of everything to fill all orders, except American Beauties, violets and extra select carnations, at somewhat reduced prices from those charged the first part of the week.

Never before was such quantities of pickled stock thrown on the market. Carnations that had the appearance of having been fit to cut three weeks ago, were shipped in by some growers, evidently with the expectation of getting Christmas prices.

Rogers Park Floral Co. are cutting some extra select carnations, Alaska, Triumph and Armazindy. Geo. Souster, of Elgin, Ill., is sending in some of the finest Daybreak ever seen in Chicago. They are consigned to E. H. Hunt. Fancy Mayor Pingree and Mrs. McBurney brought the highest price of any that have come to the Chicago market this season sold by the Illinois Cut Flower Co.

More flowering plants are to be seen in florists windows than ever before. Primroses, begonias, azaleas, heaths, ferns and small palms are largely displayed and are finding ready sale. The retailers have heretofore done very little in this class of goods.

Mr. G. Shachel, of Glen Lord, Mich., was in town. Mr. Foster, of the Krebs Floral Co., St. Louis, was in town Wednesday arranging for Christmas flowers. It is rumored that some of the stock Mr. Foster bought came from Belleville, Ill. What's the matter with St. Louis?

Heating Notes

Most of us have experienced the annoyance of a break-down of the heating apparatus at a time when its perfect working is most needed, that is, during a severe cold spell, and I will endeavor in the following lines to make such suggestions as will enable you to meet the above mentioned emergency with the least possible expense and loss of time.

The causes and nature of such breakdowns are numerous, but the sudden leaking caused either by a crack or the wearing away of a portion of the boiler is the most common, and causes the greatest concern, as it strikes the foundation of the heating system, a total derangement of which would mean serious loss.

In such cases, even when the leak is of considerable extent, a very efficient temporary stoppage can be effected by continuing as heavy a fire as possible and in the meantime preparing a cement in accordance with the following formula:—Take of Roman cement, clean cast-iron borings, (not rusty), which should be sifted through a piece of mosquito netting, and plaster of Paris, of each equal parts by weight, and mix them thoroughly together, and when thoroughly mixed add water until the mass reaches the consistency of soft putty, but do not add the water until the boiler is thoroughly heated and the fire is as bright as circumstances will allow; also have ready a piece of slate, tin, wood or even a piece of old carpet, large enough to cover the leaky space liberally; also have ready a poker or stick long enough to reach the leaky spot easily; then, having the necessary materials at hand, brush or wipe the leaky surface as clean as possible, moisten the cement as instructed and smear liberally over the defective surface, say about three-quarters to one inch thick, and cover with a piece of wood, tile or other substance as stated above, and if the leak be on a flat, horizontal surface place a brick or other weight over it to keep it in position, or if on a vertical surface, hold in place with the poker, and in a few minutes the leak will have been stopped.

This cement dries very quickly, adheres firmly to the iron, becomes very hard and makes a perfect stoppage, even against considerable water pressure. I have known boilers so treated to last through an entire winter, but I would not advise you to rely upon it for a longer period than necessary, but would suggest that you call a competent mechanic at the first opportunity, to advise as to the possibility of making more permanent repairs.

Florists having old boilers in use would be wise to keep some of the above mentioned ingredients in glass jars, separately in a dry place in readiness for emergencies. HENRY W. GIBBONS.

LACONIA, N. H.—C. P. Dow has been awarded damages amounting to $763 against the Laconia Gas Company, on account of injury to plants in greenhouses, caused by gas escaping from a leaking main.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1898 will receive on request, a coupon for one five line want "adv." free, to be used at any time during the year.

SITUATION WANTED—By all round florist; good grower and propagator of roses; sober and steady. C, care American Florist.

SITUATION WANTED—Young man, German, to take charge of greenhouses; roses, carnations and foliage plants; commercial or private place. Address M K, American Florist.

SITUATION WANTED—By an experienced grower, age 27; well up in roses, carnations, etc. etc.; highest references; single; wages $25 per month Address GROWER, care American Florist.

SITUATION WANTED—As floral artist and decorator; eleven years' experience in Europe and America; best of references furnished. Address L Z, care Vaughan's Seed Store.

SITUATION WANTED—All-round florist, good propagator, grower and designer; carnations and violets; good references. L. P. HERSEY, Stafford Springs, Conn.

SITUATION WANTED—As grower in commercial or assistant in private place; best of references; single, age 26 sober and reliable. Address GUSTAV JOHNSON, 48 West Huron St., Chicago.

SITUATION WANTED—By an experienced grower of roses, carnations, 'mums, etc., to take charge of commercial place; age 27, single; strictly temperate; steady position. Address B, care American Florist.

SITUATION WANTED—By Scotchman, married, age 32 as gardener in first class private place; good practical experience in all branches; highest references. Address GARDENER, care American Florist.

WANTED First class rose grower; one capable of taking charge; one familiar with growing catalogue stock preferred; state wages expected Address A B, care American Florist.

WANTED—Partner in Chicago, with $1 000 cash to take half interest in well established, paying florist and greenhouse business; experienced man preferred. Address L F, care American Florist.

WANTED—Propagator of herbaceous plants in an eastern commercial place; one who has had some experience; give age, nationality, experience, reference, and wages expected. Address M T S, care American Florist.

WANTED—To lease for a term of years, greenhouse plant containing 2,500 to 5,000 feet of glass heated by hot water; must also be stocked and doing business Address CARBONDALE FLORAL DEPOT, Carbondale, Pa.

WANTED—To lease established commercial place; no half-private and half commercial place wanted; houses must be in good condition; state exact size and particulars; or I will accept a position where a thorough practical grower and manager is wanted; best of references. Address A, Lock Box Atlanta, Ga.

FOR SALE—Florist's single covered wagon; height about 5 feet, width about 4 feet, length about 7½ feet; built to order, costing $250. Used but two years. Will be sold cheap for cash VAUGHAN'S SEED STORE, Box 688, Chicago.

BUSINESS OPPORTUNITY.

One of the most valuable florists' establishments in the Middle South, ½ interest for sale, or will lease to an enterprising, wide awake business florist; 7 modern greenhouses, 25x150 ft., one 50x75 ft., three 20x50 ft., 75-foot violet house, frames, splendid windmill and watering facilities, packing sheds, office, 5 acres of splendid land for rose growing situated within easy access of Atlanta, Ga., on one of the most beautiful driveways of the city. Florist store in the Kimball House block with first-class facilities, and the best stand in the city; connections with several of the largest tourist hotels in Florida, with shipping trade in cut flowers started. This is an established business with unlimited opportunities for enlargement. Aside from the cut flower trade there is a large opening for building up a shipping trade in nursery grown roses, which thrive and make more growth here in one year than in three seasons in the North. The owner has other large interests which occupy his whole time and wants a thorough-going man who has some means and an ambition to extend an already well established business in this exceptional field. This is not a broken down or failing establishment. The owner does not desire to sell out the greenhouses, but would dispose of an interest or lease, so that an enterprising florist would have such interest as would insure his exclusive application to maintaining the high character of the present business and working for its extension. Address **JOS. THOMPSON, Atlanta, Ga.**

FOR SALE.

At less than half its cost, or for rent, about 28,000 square feet of glass with grounds and modern 12-room dwelling, built a year and a half ago; greenhouse nearly new, all heated by steam, well stocked and in good order; located on street car lines between St. Paul and Minneapolis, and a well paying wholesale business established. A splendid opportunity for a good live man. Sale price, $10,000; rent $150 per month. If you mean business, address **CHRIST HANSON, St. Paul, Minn.**

FOR SALE.

Greenhouses in one of the best cities in Wisconsin. A good investment and a money maker for a hustler. Owner must retire on account of poor health

For particulars write **ELLIS & POLLWORTH, Milwaukee, Wis.**

W. E. LYNCH,

Consignments Solicited. **CUT FLOWERS.**

All Florists' Supplies.

19 & 21 RANDOLPH STREET,

Fine Stock a Specialty. **CHICAGO.**

ROGERS PARK FLORAL CO.,

Wholesale Growers of

CUT FLOWERS,

41 WABASH AVENUE,

CHICAGO.

HEADQUARTERS FOR AMERICAN BEAUTIES.

A. G. Prince & Co.

WHOLESALE CUT FLOWERS

AND FLORISTS' SUPPLIES,

88 & 90 Wabash Avenue,

Telephone Main 3208. **CHICAGO.**

Prompt Attention to all Orders.

REINBERG BROS.

WHOLESALE

GROWERS OF CUT FLOWERS.

500,000 FEET OF GLASS.

We can fill all orders on short notice with all leading varieties of Roses and Carnations.

We ARE Headquarters for fine AMERICAN BEAUTIES

Give us a trial and convince yourself.

Salesroom, 51 Wabash Ave., CHICAGO.



A. L. Vaughan. Chas. W. McKellar. E. F. Winterson

Vaughan, McKellar & Winterson,

Cut Flowers

—OF EVERY KIND—

HIGH GRADE Carnations, Roses Violets, Orchids.

Christmas Holly, Bouquet Greens, Wreathing and Wild Smilax. Complete line of florists supplies.

SEND FOR CATALOGUE.

45, 47, 49 Wabash Ave., CHICAGO, ILL.

Wholesale Flower Markets

CHICAGO, Dec. 24.

HOLIDAY PRICES.

Roses, Beauties	35.00@100.00
" Brides	8.00@12.00
" Meteors	8.00@18.00
" Kaiserin, Bridesmaid, Siebrecht	8.00@15.00
" Perle	6.00@10.00
" Carnot	10.00@20.00
" LaFrance, Testout	12.00@20.00
Carnations, common	2.00@ 4.00
" fancy	5.00@ 6.00
Violets	1.50@ 2.50
Narcissus, Romans	3.00@ 5.00
Harrisii	15.00@20.00
Valley	3.00@ 6.00
Poinsettias	10.00@25.00
Stevia	1.00@ 2.00
Callas	12.00@15.00
Adiantum	.75
Smilax	10.00@15.00
Asparagus	50.00@75.00

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS SUPPLIES.

WIRE WORK A SPECIALTY. 88 WABASH AVE CHICAGO.

WINTER & GLOVER,

21 Randolph St., CHICAGO.

HIGH GRADE **CUT FLOWERS,**

PACKED RIGHT,

so they will reach you in just as good condition as they reach us.

WIRE DESIGNS: A Full Line. Write us for our Illustrated Catalogue.

Mention American Florist.



Illinois Cut Flower Co.

J. B. DEAMUD, Mgr. 51 and 53 Wabash Ave., CHICAGO.

CHOICE CUT FLOWERS.

Roses in variety.

Carnations ...IN THIS MARKET. THE BEST

GENERAL LINE OF SHIPPING FLOWERS.

WILD SMILAX.

E. C. AMLING,

WHOLESALE

COMMISSION FLORIST,

51 WABASH AVENUE,

Consignments Solicited. **CHICAGO.**

Prompt attention to shipping orders.

Bassett & Washburn,

Successors to J. B. DEAMUD & CO.,

GROWERS and WHOLESALE DEALERS in **CUT FLOWERS,**

88 Wabash Avenue,

CHICAGO.

HEADQUARTERS FOR AMERICAN BEAUTIES.

Any Day and Every Day IN THE YEAR.....

We give your orders the same careful attention.

E. H. Hunt

THE "OLD RELIABLE" FOR

HOLIDAY....

..Cut Flowers

of Highest Grade and complete variety. You can depend on our most faithful personal attention to your interests.....

HOLLY, GREEN, WREATHING. We meet the Market.

76 Wabash Ave., CHICAGO.

GEO. A. KUHL,

PEKIN, ILL.

We now offer Roses, Carnations, Romans, Paper Whites, Lilium Harrisii, Smilax and Ferns.

TO THE TRADE.

ROSE HILL NURSERIES,

HEADQUARTERS FOR

PALMS, ORCHIDS, FERNS

AND STOVE PLANTS.

SIEBRECHT & SON. New Rochelle, N. Y.

New York Office, 409 Fifth Avenue.

DIRECTORY FOR 1898

of Florists, Seedsmen and Nurserymen of the United States and Canada.

AMERICAN FLORIST COMPANY,

324 Dearborn Street, CHICAGO.

THE AMERICAN FLORIST'S

COLOR CHART

is now accepted as the standard in preparing color descriptions, by many foreign houses as well as in America.

PRICE 15 CENTS POSTPAID.

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AM. SEED TRADE ASSOCIATION

$2.00,

in either stiff or flexible cover.

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Supply Orchids every day.

Only House in New York handling Extra Fancy Stock for Special Occasions.

Telephone 2778--38th Street. 50 West 30th Street, NEW YORK CITY.

No. 1612-14-16 Ludlow Street

"WE HAVE NOT MOVED."

The name of our street has been changed. And with our additional room we are better able to handle our ever increasing trade.

Samuel S. Pennock,

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FRED. EHRET,

Wholesale Florist,

No. 1403 Fairmount Avenue,

Telephone, Long Distance. PHILADELPHIA.

EVERYTHING YOU WANT IN CUT FLOWERS

EDWARD REID,

Wholesale Florist,

1526 RANSTEAD STREET,

Long Distance Phone. PHILADELPHIA, PA.

Mention American Florist when writing.

CONSIGN TO BUY FROM

M. A. HART,

Commission DEALER IN Cut Flowers,

113 WEST 30TH STREET,

NEW YORK CITY.

THE BEST MARKET IN NEW YORK.

Wholesale Flower Markets

NEW YORK, Dec. 23.

HOLIDAY PRICES

Roses, Beauty	.25 00@100.00
" Bridesmaid, Meteor	6 00@15.00
" Testout, Carnot	6 00@15.00
" Morgan, Cusin, Brides	4.00@12.00
Carnations	1.50@ 2 00
" fancy	2 50@ 4.00
Valley	2.00@ 4 00
Violets	1.00@ 2.00
Harrisii	10.00@12 00
Hyacinths, narcissus	.75@ 2.00

BOSTON, Dec 23.

HOLIDAY PRICES.

Roses Beauties	.25 00@75.00
" Perle, Niphetos	8.00@12 00
" Bride, Bridesmaid, Meteor	12 00@16 00
" Carnot	12.00@25 00
Carnations, ordinary	2 50@ 3 00
" fancy stock	4 00@ 5 00
Valley	2.00@ 4 00
Violets	1 50@ 2 00
Hyacinths, narcissus	2 00@ 4.00
Harrisii, callas	12 00@16 00

PHILADELPHIA, Dec. 15.

HOLIDAY PRICES.

Roses, Beauties, select	50 00@50 00
" " short and medium	8 00@25 00
" Teas firsts	8 00@10 00
" seconds	4 00@ 6 00
Carnations fancy	2 50@ 3 00
" ordinary	1.50@ 2.00
Valley, Mignonette	3 00@ 6 00
Violets, double	.50@ 2.50

John I. Raynor,

49 WEST 28th STREET,

NEW YORK.

SPECIAL EXTRA STOCK OF

AM. BEAUTY, METEOR, BRIDESMAID, BRIDE.

Record Breaking Carnations

ALL THE YEAR ROUND.

American Beauty

and all other choice Roses in unexcelled quality.

Carnations, Mignonette, Cattleya and Valley.

THOS. YOUNG, Jr.,

43 W. 28TH ST., NEW YORK.

WALTER F. SHERIDAN,

WHOLESALE

FLORIST,

39 West 28th Street, NEW YORK.

Roses shipped to all points. Price list on application.

JULIUS LANG,

Cut Flowers on Commission.

53 WEST 30TH STREET,

.... NEW YORK.

CITY HALL CUT FLOWER MARKET,

9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Consignments from regular growers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

TRAENDLY & SCHENCK,

Wholesale Florists,

Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.

38 West 28th St., and Cut Flower Exchange.

Tel. 961 18th Street. NEW YORK CITY.

J. K. ALLEN,

Wholesale Florist,

57 West 28th Street, near 6th Ave. Elevated R. R. NEW YORK,

BEAUTIES AND VIOLETS, SPECIALTIES.

Consignments Solicited.

JAMES M. KING

Commission Dealer in

CUT FLOWERS.

Good Money for your Flowers.
Cooe Flowers for your Money.

49 WEST 29TH ST, NEW YORK.

TELEPHONE 1675 38th St.

THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street,
112 and 114 West 24th Street,

Telephone 733—18th. NEW YORK.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

GEORGE A. SUTHERLAND,

Cut Flowers AND Florists' Supplies

WHOLESALE.

67 Bromfield St., BOSTON, MASS.

Wholesale Florists JOBBERS IN

ALWAYS ON HAND: CARNATIONS, BRIDESMAIDS, BRIDES.

FLORIST'S SUPPLIES.

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Horticultural Auctioneers.

84 HAWLEY STREET, - BOSTON.

Asparagus Plumosus Nanus.

Strings 8 to 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

GALVIN & CO.

Wholesale Florists

AND DEALERS IN ALL

FLORISTS' SUPPLIES,

4 Ordway Place, BOSTON, MASS.

Cut Flower Consignments Solicited. Best market.

Edward C. Horan,

34 W. 29th Street, NEW YORK.

WHOLESALE • FLORIST.

Careful Shipping to all parts of the country. Price list on application.

JOHN YOUNG,

ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock.

51 W. 28th Street, NEW YORK.

Price list on application.

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WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange. NEW YORK.

WM. C. SMITH,

Wholesale Florist,

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Consignments Solicited. Special attention given to shipping orders

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THE AMERICAN FLORIST

Subscription $1.00 a Year. To Europe. $2.00.
Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agate; $1.00 per inch. Cash with Order.
No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday

Address THE AMERICAN FLORIST CO., Chicago.

ATTRACTIVE calendar received from Langhans & Co., florists, Allegheny, Pa.

KAUFMAN & STRAUSS Co., 368 Broadway, New York, send a very handsome calendar for 1898. Quite novel in design and make-up.

HARLAN P. KELSEY, Boston, Mass., sends to this office a package of leucothoe sprays and galax leaves. They are all perfect specimens and any buyer receiving such goods will be likely to become a regular customer.

L. E. MARQUISEE, Syracuse, N. Y., sends sample blooms of a new pink carnation. Unfortunately they had been frosted in transit and were in bad condition. We could still see, however, that the color was fine and the stem extra good.

THE PREMIUM LIST of the American Carnation Society is now ready and can be had from Albert M. Herr, secretary, Lancaster, Pa.

Every carnation grower should exhibit at Chicago next February.

W. A. McFADDEN,

"Rosebank"

NEAVE BUILDING, CINCINNATI.

Producers and Shippers of every description of High Class Floral Supplies.

Cattleya. **Orchids.** Cypripedium.

Quotations issued weekly, forwarded on request.



When you write to any of the advertisers in this paper please say that you saw the advertisement in the American Florist

Wholesale Flower Markets

CINCINNATI, Dec. 23.
HOLIDAY PRICES.

Roses, Beauty select	75.00@100.00
" " medium	50.00
" Brides	8.00@10.00
" Bridesmaids	10.00@12.00
" Meteors	12.00@15.00
" Perles	6.00@ 8.00
Carnations	2.50@ 5.00
" fancy	4.00@ 6.00
Valley	5.00
Romans	3.00@ 4.00
Narcissus	4.00@ 5.00
Violets	2.00
Poinsettias	25.00
Smilax	12.50@15.00
Adiantums	1.00
Asparagus	50.00

ST. LOUIS, Dec 23.
HOLIDAY PRICES

Roses Beauties	50.00@100.00
" Kaiserin, Carnots, Meteors	10.00@20.00
" Brides, Maids, La France	10.00@18.00
" Perles	5.00@12.00
" Wootton	5.00@10.00
Carnations	5.00@ 8.00
Valley	3.00@ 8.00
Romans, Paper White	4.00@ 6.00
Violets, California	3.00@ 4.00
" single	40@ 75
" double	2.00@ 3.00
Smilax	15.00@18.00

MILWAUKEE, Dec. 23.
HOLIDAY PRICES.

Roses, Beauty, select	60.00@75.00
" " firsts	50.00
" " seconds	30.00
" " short	20.00
" Brides, Bridesmaids	9.00@15.00
" Perle	8.00@12.00
" Meteors, Siebrecht	12.50@18.00
Carnations, fancy	4.00@ 5.00
" common	2.50@ 4.00
Poinsettias	18.00@25.00
Callas	12.50@15.00
Harrisii	15.00@18.00
Violets	1.50@ 2.50
Romans	2.50@ 4.00
Valley	4.00@ 5.00
Smilax	15.00

BUFFALO, Dec 23.
HOLIDAY PRICES.

Roses, Beauties	25.00@100.00
" Brides, Bridesmaids, Meteors	12.00@20.00
" Mermets	12.00@20.00
" Niphetos	6.00@10.00
" Kaiserin	12.00@20.00
Carnations extra	3.00@ 5.00
" ordinary	1.50@ 2.00
Valley	3.00@ 4.00
Violets	2.00@ 3.00
Mignonette	4.00@ 5.00
Romans	3.00@ 4.00
Harrisii	15.00@20.00
Smilax	15.00
Adiantum	1.25@ 1.50

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.
A complete line of Wire Designs.

MOUND CITY CUT FLOWER CO.
Wholesale Florists.
CONSIGNMENTS SOLICITED
Special attention given to shipping orders
1322 Pine St, ST. LOUIS, MO.

H-L-SUNDERBRUCH CO
WHOLESALE COMMISSION FLORISTS
4th and WALNUT Sts.
CONSIGNMENTS SOLICITED
CINCINNATI, O.
SPECIAL ATTENTION GIVEN TO SHIPPING ORDERS.

HEADQUARTERS in Western New York Try us.
ROSES, CARNATIONS, and ALL KINDS OF SEASONABLE FLOWERS IN STOCK.
WM. F. KASTING, Wholesale Commission Florist,
495 Washington Street, BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire Designs.

C. W. WORS
2740 Olive Street, ST. LOUIS, MO.
FLOWERS at ....WHOLESALE....
.....ROSES, and a full line.
Headquarters for the South West

HOLTON & HUNKEL CO.
SUCCESSORS TO
The Wisconsin Flower Exchange.
Fresh Cut Flowers, Florists' Supplies
Manufacturers of WIRE DESIGNS
Consignments Solicited. Phone Main 874.
457 Milwaukee St., MILWAUKEE.



Pansies Worth Raising.

GOOD PLANTS, $2.50 per 1000, or $1.50 per 500.
LARGE PLANTS, $4.00 per 1000, or $2.50 per 500.
BLOOMING PLANTS, $1.50 per 100.
SEED, as usual. CASH WITH ORDER.

C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

PANSIES....

Nice Plants, at $3.50 per 1000.
Cash with order.....

J. H. CUNNINGHAM, Delaware, O.

Cincinnati.

BUSINESS GOOD.—STOCK SHORT AND PRICES GOOD.—WINDOW DECORATIONS.—VISITOR.—MR. FRIES RECOVERING.

On the whole, business for the week has been very good, weddings and funerals were most frequent in the middle and latter part of the week, the latter creating a considerable part of the week's business. Roses have been scarce, owing to the dark and cloudy weather which prevailed in this section of late. Carnations, like roses, for fancy and special stock, demand a good price. The first of this week a notable change could be noticed in values of these. The supply showed signs of falling below the average, and it was therefore easier to hold out for top prices. Hyacinths and narcissus enough to meet the demand, but Harrisii are scarce.

Among the many charming window decorations seen at this time in the leading stores, Peterson, Critchell, and Sunderbruch's Sons, are again in the lead.

In one of Peterson's windows a lot of azalea (Deutsche Perle) arranged with adiantum and the background of large arecas and kentias showed off immense. Mr. Critchell, on the other side, made a grand showing of well-grown cycas, all arranged in jardinieres. He reports a good sale.

Sunderbruch's Sons' store has been, as usual, in accordance with Christmas. A large lot of saleable palms, ferns, dracænas and other foliage plants were tastily arranged throughout the store, and the window display made a grand effect from the street.

Critchell's Sons had the best holly in the city; in fact, they had a cinch on the holly trade.

Mr. P. H. Therkildson, of Ironton, O., was a recent visitor. Mr. Ed. Fries, who has been very ill with typhoid pneumonia, I am glad to report, is now pronounced out of danger.

Our bowling clubs bowled a friendly match game last week. Charles Critchell was high man of the Neversweats, while Will Schuman carried off the honor of the Evelinas. The growers beat the store boys nearly 200 pins in three games. Next week they will be out in full force and revenge is looked for.

To all readers a Merry Christmas and prosperous New Year is the wish of yours truly, H. SCHWARZ.

A Chrysanthemum Fungus.

ED. AM. FLORIST:—In September there appeared on the under side of the lower leaves of several varieties of my chrysanthemums brown-red fungus spots which ripened up and dropped a powdery substance, covering the lower leaves with a brownish red dust which I brushed off. The leaves affected with this fungus did not die and are still green. Many of the stems are now abloom from late side-breaks. The vitality of the plants did not seem affected in the least.

With abundance of light and circulation I had strong stiff stems, and when the extremely hot days of October came I kept the temperature down by spraying the glass outside and threw road dust on while wet.

Was this disease what is called "Black-spot," and will it certainly appear next year in this house if I use some of the varieties for stock plants? How would it do to fumigate the house by burning sulphur about the last of next March? This would kill everything above ground but I should not think it would affect the roots. Shall I put in fresh earth upon new benches in June? RUFUS W. SMITH.

It is not "Black spot." The description of the fungus mentioned above is that of carnation rust, and, in my opinion, was nothing more than this. We have received stock thus affected and also leaves from several localities in like condition This fungus is apparently not at home with 'mums, being soon disposed of when stock is kept in a dry, airy house. Heavy syringing of the foliage, especially if done late in the day would be likely to establish this fungus and the heavy shading in October would be apt to increase it, particularly if the hose was used freely inside. The fumes of sulphur are very destructive to all fungus spores, but should only be used when the house is empty. ELMER D. SMITH.

Chrysanthemums—Best Twenty-five varieties.

Answering P. D., New Brighton:—A list of this character is ever changing, owing to valuable additions each year made by the different disseminators, and importations of novelties from England and the continent. Many varieties of which some growers produce beautiful blooms, are almost total failures with others, but in the following list, we have endeavored to include only those that are easily grown by nearly all. Twenty-five large blooms: Mrs. Jerome Jones, W. H. Lincoln, Viviand-Morel, Mutual Friend, Major Bonnaffon, Mayflower, Eugene Dailledouze, Mrs. Henry Robinson, Golden Wedding, Mme. Felix Perrin, Minerva, Mdlle. M. A. de Galbert, Modesto, Silver Cloud, Charles Davis, Golden Gate, Mrs. S. T. Murdock, Miss Minnie Wanamaker, Helen Bloodgood, Marguerite Jeffords, Philadelphia, Mrs. Geo. West, Maud Dean, Nyanza, and John Shrimpton. The last named, though not as large as the rest, is the best and easiest grown red. This list does not include any of the novelties of 1897, which will no doubt push one or more out of this list.

The best twelve for pot plants are W. H Lincoln, Ivory, Agnes L. Dalskov, L. Canning, Minerva, C. B. Whitnall; Golden Hair, Henry Hurrell, Louis Boehmer, Geo. W. Childs, Mutual Friend, Constellation. E. A. WOOD.

THE HAMBURG INTERNATIONAL HORTICULTURAL EXPOSITION, which closed at the beginning of October, resulted in a surplus of 300,000 marks. The amount received from season tickets was 810,000 marks and from daily tickets 770,000. The receipts for rentals of dining halls and sale of privileges was enormous. This shows the interest which the German people take in horticultural matters.

BURLINGTON, VT.—A. J. Taylor has purchased the interest of C. E. Gove in the firm of Gove & Taylor, florists and seedsmen, and will continue the business of the firm as before at the corner of Church and Bank streets.

..PANSIES..

200,000 In cold frames of the Jennings finest strains; all extra No. 1 plants; large size, ready to bloom, $5.00 per 1000; extra medium size for cold frames, $4.00 per 1000. Extra 75c per 100 by mail.

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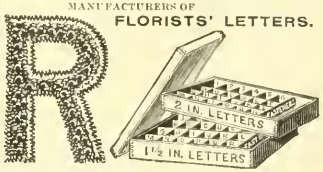
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20 per cent. discount to those announcing this novelty in their catalogues; nice electrotype furnished free. Ask for price list and description.

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64 Hawley St., BOSTON, MASS.



Buffalo.

THE WEATHER.—POT PLANTS SCARCE.—VIOLETS WANTED.—CONFIDENCE MAN AGAIN.—CALENDARS FOR 1898.

Rain, snow, rain, slush, freeze has been the order for the last week. Let us hope that the freeze will continue, as it promises to do, and that we shall be blessed with good old-fashioned winter weather, with sleighing for the holidays.

Notwithstanding the unseasonable weather trade has been improving, though probably the department stores have been more favored than the florists. Stock is in fair supply, except violets and carnations, which are probably being hoarded for Christmas. The dark weather has affected roses, which are rather weak stemmed. Pot plants outside of palms and ferns seem to be scarce, though there are a few good cyclamens, Chinese primroses and begonias in sight. If any one had a nice stock of violets in pots, they would sell like hot cakes. Greens have been moving freely.

Kasting reports sales of holly, etc., far in excess of previous years. He is preparing for a heavy trade and I judge by his list that he expects a shortage of carnations and violets.

Scott expects to have a good supply of violets of his own growing.

I noticed in Palmer's some good single violets—Philadelphia stock. Singles have never been extensively grown here as they have not been in demand.

A well dressed little man walked into Palmer's store one day last week and ordered a dozen palms sent to decorate a house on Pennsylvania street, and as the delivery wagon was at the door he said he would ride with the driver and help him unload. He seemed to have a good knowledge of palms and selected some nice Kentias worth about $6 apiece. There was a warm rain falling at the time, and instead of taking the plants into the house the man asked the driver to leave them in the yard as he wished to fix them up a little before placing them. He also remarked that he would pay for them the next day, when he returned them. The next day they were sent for but neither palms nor man could be found. The people in the house knew nothing of the man except that he had asked permission to store some plants in the yard for a short time. It seems that as soon as Palmer's wagon was out of sight, the man began taking the palms away, two at a time and peddled them out around the neighborhood. He probably had little difficulty in selling them as his prices were clear way below that of the hardware stores. Palms worth $6 were sold for 75 cents. All but two of the palms have been recovered, but the man has not been found. Mr. Palmer thinks the man was a tramp florist, as he seemed so well posted in regard to plants, and thinks he may try to work the scheme in other places. Look out for him. I do not know how he explained matters to his customers, but I should suppose that the low prices would have created suspicion.

Long is out with some new floral calendars for 1898. I have not seen them but they are said to be very attractive.

C.

Eel-Worms Again.

The rose plants forwarded to me by T. & H., Arkansas, were a long time on the way; result, the foliage was badly dried and dropped off, which gave me little opportunity of judging the nature of the trouble by the appearance of the stems and foliage. There is little reason to doubt, however, that eel-worms are at the root of the matter; the roots of one of the plants received were a complete mass,—a perfect specimen of the disease in its worst stages, one which would be a splendid subject for illustrating one of Mr. Halstead's lectures on "root galls." One of the other plants was less affected, and the third showed only traces.

Experience and observation has led me to think that eel-worms on roses are very often the result of the plants being carried too long in small pots, the roots cramped, the foliage stunted and getting at times too dry. In the present case it was probably aggravated by suddenly removing all the shade from the glass when the thermometer stood at 102° to 110° in the shade, as you say for three months from that time the plants scarcely moved.

The "rascal florist" that you name, whose glib tongue and wonderfully persuasive manner, and glowing testimonials led you to engage him as grower, only to be badly deceived, I, along with others, know fairly well; he would be a splendid man to compile a "Florists' Directory," as he knows personally almost every grower of repute throughout the length and breadth of the land. Your case only emphasizes the looseness which characterizes the system of employing greenhouse men, even to fill responsible positions, and the need of a change. If a man comes along and tells us that he has been employed by some one we know to be a successful grower, we conclude right away that he is the party we are looking for, and at once put him to work; whereas, if we took the trouble to investigate, we might discover that he did not have either the experience or the ability that he professed to have. A little more care in writing testimonials would also be a boon to the trade at large.

The good coat of bone meal that the plants received may or may not have helped to make matters worse, that would depend on the quantity used, and the purity of the article. Instances are not rare where much damage has been caused by using bone cut with acids; the moral is, purchase from responsible parties who guarantee their goods.

I think if there are sufficient healthy plants left to pay for the labor I would take all out of the benches, replant the best in fresh soil, throw away the poor ones, and use the space for something else. If lifted carefully with medium balls attached they would not lose much by being transferred.

Keeping the soil wet all the time tends to prevent the trouble spreading.

ROBT. SIMPSON.



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Milwaukee.

EARLY SHIPMENTS PAY.—W. SCHUCHT MARRIED.—SEMI-CENTENNIAL CELEBRATION.—DECORATIONS.—B. GREGORY AND JOHN DUNLAP TOUR THE VIOLET DISTRICT.

The severe cold weather which has set in, going below zero, comes as a relief from the preceding mild but wet and cloudy weather. Sunshine is the desirable element, regardless of other conditions. The scarcity of flowers this week causes us to suspect that growers are "salting." The dark weather is cited as an excuse for the small shipments. One grower we know of sends in all he can, and makes a business of doing so before the holidays, and he appears to fare best, every flower has brought good returns for the past ten days. The quality of holly is not quite satisfactory this season. A few azaleas are shown in stores, but there appears to be a scarcity of pot plants suitable for Christmas this season.

Whitnall Floral Co. have been serving white camellias quite liberally for four weeks.

A. Kloker is driving quite a fancy wagon now, painted blue trimmed with silver.

McKenney & Co. are using quite stylish cream white boxes with gilt lettering, delivering them in a wagon to match.

Currie Bros. use a drab box with a thistle engraved.

Fox, the grocer, uses a brown box with green edges.

The other florists in town use the standard folding box.

It does not seem to be generally known that Will Schucht, who looks after the flower department in Esponheins' dry goods store, has been a married man for several weeks.

There has been considerable said in our daily papers of late about the Semi-Centennial Celebration to be given here next June. An organization is at work preparing for a great carnival. They say the ladies will conduct a floral festival; great things are to be done with flowers. They say its the month of roses (they must have been reading a poem). A committee is around with a contribution box. A Grand avenue florist has subscribed $150, and a Third street florist is considering about giving $250 (so they say). Let us wait and see before more is said.

Ellis & Pollworth have put in an extra boiler to heat the five houses leased of P. J. Deuster. The original arrangement was not equal to the task of keeping palms warm enough.

Mr. Deuster's son is running the balance of the plant and is sending into Holton & Hunkel one of the finest crops of roses and carnations that has been grown in the city.

There has been a moderate amount of decorations so far this month; perhaps the most original item was the dining room effects of a Grand avenue residence. The table was under a chandelier throwing a delicate green light. Hanging from it were two blocks of orchids at unequal lengths. Under were several pots of cattleyas and cypripediums, two or three raised up so that the various pots and blocks extended almost up to the chandelier. This was carefully filled in with Asparagus Sprengerii. It was a novelty and much admired. The sideboard was arranged with banana and orange plants, bearing a profusion of fruit. The bananas were of course procured of a grocer and fastened on, as were a few of the oranges, but they looked quite natural.

Ben Gregory and John Dunlap have just made a tour through the violet district. They report crops looking beautiful. A few "damped" leaves can be found, not enough to be of damage to the crop. Carnations are also good, particularly at Loefflers, Sylvisters and Schoenemans. A peculiar trait of the growers in their locality who are making such a success is, they stay at home and watch their houses, pack carefully and do not pay express charges on poor flowers.

C. B. WHITNALL.

CINCINNATI, O.—Thomas Lambert, an old-time florist of Avondale died recently of paralysis.



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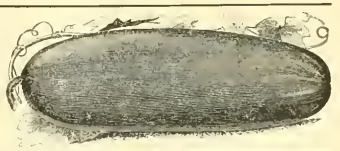
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Stocks, large flowering dwarf German, ten weeks, white, pink, crimson, blood-red, light blue, dark blue, canary-yellow, each per ¼ oz., 40c.; trade pkt., 25c.
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Defiance, bright scarlet ¼ oz., 45c.; trade pkt., 25c.
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Mammoth, purple or striped, each, trade pkt., 25c.

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MR. CHAS. P. BRASLAN has returned from a ten days' trip to Boston and New York.

FIELD PEAS are still offered at close prices.

ONION SETS will move more freely after January 1.

SWEET CORN though scarce, advances in price very slowly.

THERE ARE VERY FEW items in the whole seed list that cannot still be bought at contract rates. Usual December dullness certainly prevails.

A WHOLESALE GROWER who lately made an extended trip through the East, reports but moderate confidence in the outlook for 1898, and considerable anxiety among the catalogue trade—just before the battle.

Greenhouses Building.

Attleboro, Mass.—John J. Nolan; one greenhouse.

Buffalo, N. Y.—C. D. Zimmerman, one greenhouse.

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Middletown, Ct.—Geo. Stedman one commercial house.

No. Woodstock, Ct.—Thomas Bradshaw, one forcing house.

ARE YOU growing mums? Did you read the AMERICAN FLORIST'S Chrysanthemum Forecast for 1898? If you were too busy then, better hunt up that number now and read it.

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CHRISTMAS PROSPECTS.—PLANTS FOR CHRISTMAS TRADE.—CORNELLI & KELLY DISSOLVE PARTNERSHIP.—FRED. A. RIEMAN'S BOILERS TAMPERED WITH.

The holidays are close at hand and everybody is busy making preparations for the Christmas trade. Cut flowers will be scarce, especially good roses. Most of the florists, however, have a good supply of plants on hand. The prevailing opinion seems to be that the demand for pot plants, especially for blooming varieties, is increasing. Cyclamen, azaleas and the different kinds of begonias form the bulk of what is shown in that line, with enough primroses, cinerarias, callas, violets, etc., to add variety to the display.

In foliage plants it is noticeable that with most florists ferns have a more prominent place than in former years. Pteris tremula and several kinds of Nephrolepis can now be found in every greenhouse.

The firm of Cornelli & Kelly has dissolved partnership. Ed. Cornelli will carry on the business by himself.

Fred. A. Rieman was the victim of an ugly trick last Friday night. He left his greenhouses for his residence at twelve o'clock; when he returned at about two o'clock he found that some one had entered his place, opened the furnace door and turned the water on into the boiler. The boiler as well as the heating pipes were full of cold water. With the steam gauge showing the pressure of the city water works, with Fred very hot and the temperature in the houses down to freezing, things were pretty badly mixed up for awhile. Mr. Rieman succeeded in saving most of his stock. He estimates his loss at about $70. We sincerely hope that the police will succeed in capturing the guilty party. J.

Best Early Aster.

ED. AM. FLORIST:—Will you please tell me which is the best aster to plant for the earliest cut flowers. I wish to grow some for Decoration Day and am in doubt as to what kind to sow. M.
Greenfield, Ill.

The best early aster of value is the Queen of the Market. It is early, double, and the flowers are borne on long stiff stems. The flowers should be cut before they are fully opened. The Queen of the Earliest, or Earliest Parisian is about two weeks earlier, but the flowers are not double enough. C.

I doubt the advisability of attempting to flower asters for Decoration Day. B.

A. FARLEYENSE,

Extra strong plants from 3-inch pots in excellent condition at $3 per dozen: $20 per hundred.

NEPHROLEPIS EXALTATA at $5.00 per hundred.

NEPHROLEPIS EX. BOSTONIENSIS, at $5 per hundred.

NEPHROLEPIS CORDATA. Fine for Fern dishes or specimen plants at $6.00 per hundred.

PTERIS TREMULA all sold.

A few PTERIS SERRULATA at $3.50 per hundred, strong.

R. WITTERSTAETTER,
SEDAMSVILLE, OHIO.



Good VALLEY is scarce—of the ordinary there's an abundance!

HOW'S THIS?

VALLEY PIPS. Watson's Best Berlin. $12.00 per 1000. These are the very finest selection of 3 year pips, all large and uniform in size and carefully packed. Quality unsurpassed. I will sell in unbroken cases (2500) @ $11.50 per 1000; cash.

SPIRÆA JAPONICA; large clumps, well budded. $4.00 per 100.

SPIRÆA ASTILBOIDES FLORIBUNDA; extra fine clumps. $5.50 per 100.

TOBACCO STEMS. (absolutely fresh). $8.00 per ton. Half ton lots at same rate; baled and delivered to depot.

WATSON'S BONE MEAL—Strictly Pure—(for florists). $30.00 per ton. Half ton lots at same rates; f. o. b. Phila.

George C. Watson, PHILADELPHIA, PA.
.....Juniper below Walnut.

FORCING

	PER 100
SPIRAEA ASTILBOIDES FLORIBUNDA,	$6.00
SPIRAEA MULTIFLORA COMPACTA,	6.00

Orders entered now for Spring delivery—for H. P. Roses, Clematis, Magnolias, Tree Roses, Hardy Azaleas, etc.

Branch of the Horticultural Co.
Boskoop, Holland.

L. G. BOBBINK, Rutherford, N. J.

PRIMULA CHINENSIS, 2-inch pots ....$2.50 per 100, $20.00 per 1000
PRIMULA, transplanted seedlings, from flats $1.50 per 100.
FERNS, 3-inch pots.....$5.00 per 100
CARNATIONS. Field grown Lizzie McGowan and Scott. Write for prices.
VIOLETS. Marie Louise, strong field grown. Write for prices.
HYDRANGEA HORTENSIS, rooted cuttings.. .....$2.00 per 100
SWAINSONA.....$2.00 per 100
ABUTILON Souvenir de Bonn and Golden Fleece...$3.00 per 100
GERANIUMS. Rooted cuttings.... .$1.50 per 100, $12.00 per 1000

C. LENGENFELDER.
Lincoln and Berteau Avenues, CHICAGO.

The Cottage Gardens
QUEENS. L. I.
Specialties in CARNATIONS, CHRYSANTHEMUMS, CANNAS, GERANIUMS, DAHLIAS.
SEND FOR OUR PRICE LIST

GLADIOLUS.

	Per 100	Per 1000
White and Light, florists' mixture	$3.00	$25.00
Pink	1.00	7.00
Pink, second size	.75	5.00
Assorted	.75	5.00

DAHLIAS. Best for Florists' use
Separate Colors $1.25 $8.00
Cash or references. WM. A. FINGER, Hicksville, L. I.

JUSTICIAS VELUTINA, NERVOSA FLAVA 2½-inch $8.00 per 100.

Strong plants AERVA SANGUINEA, $5.00 per 100.

THE CONARD & JONES CO.,
WEST GROVE, PA.
Mention this paper.

Bargains in Bulbs

	Per 1000
Roman Hyacinths 11-12 ctm.	$12.00
" " 12-15 ctm.	17.50
Single Dutch Bedding Hyacinths, in sept. colors.	20.00
" " Forcing "	25.00
" " Named " in sorts, 2nd size	30.00
" " " " 1st size,	45.00
Lilium Longiflorum, Japan, 6-8 inch,	18.00
" " 7-9 inch,	35.00
Narcissus Trumpet Von Sion	9.00
" " Princeps	7.00

CASH WITH ORDER.

HULSEBOSCH BROS.
ENGLEWOOD, N. J.

LILY OF THE VALLEY.

Just received, extra fine selected pips, per 1000, $11.00. Cash with order.

H. N. BRUNS,
690 W. Van Buren St. CHICAGO.

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

Denver.

DENVER CLIMATE GETTING A BLACK EYE.—GREENS IN EARLIER THAN USUAL.—CUT FLOWERS SHORT.—PLANT TRADE NO GOOD.

The Italian climate of Colorado is getting a black eye this winter, for the mercury is in the dumps and refuses to get up in the morning or sit up nights, and cannot be coaxed up to the freezing point for its noon dinner. This state of affairs has lasted for ten days, and we hope for a break.

One comfort we have, these early snows pack in the mountains and last much better than those of spring, and assure us an abundant supply of irrigating water, and consequently good crops next summer

The Bible says "the rain falls on the just and unjust" We must be a sort of a job lot, for we are often omitted in the distribution, and consequently glad when the sources of mountain streams are abundantly supplied with snow to come down in our ditches with the summer sun.

Holiday greens appeared earlier in the market than usual, and many stores and markets had assumed their gala day dress of festoons and wreaths early in December.

Now the flower stores are busy with holly, green and mistletoe. The supply of cut flowers is very short and the plant trade no good. Unless a warm spell strikes up within a day or two primroses and mignonette plants, which are much sought after for inexpensive gifts will hold up their pretty heads on the greenhouse beds instead of gladdening the eyes of some little tot.

We of the Queen City of the Plains take pleasure in extending holiday greetings to our esteemed neighbors with the wish that florists one and all may have a very Merry Christmas and a Happy New Year.

Wyncote, Pa.

Whether it had been named after Queen Elizabeth or after some Quaker maiden, the fact remains patent that Mr. Heacock's seedling carnation is a beauty and the Craig silver cup awarded it at the Pennsylvania Horticultural Exhibition was a trophy well merited. Elizabeth is without a doubt one of the finest specimens of recent introduction. Free and vigorous, with a stem as long and as perfect as they make them in "La France." Such are its chief characteristic features.

A few steps farther and we found ourselves in the palm houses. It was a treat long to be remembered and it would be almost impossible to deseribe the sight without arousing the reader's suspicion of exaggeration. Areca lutescens and Kentia Belmoreana by the thousand; the former especially are in exceptionally fine condition, showing vigor and careful treatment. There are specimen plants, medium sized plants and small plants,—plants to suit every taste. HOMO.

PALMS and FERNS



The Largest Stock of PLANTS IN THE WEST

GEO Wittbold 1708 N. HALSTED ST CHICAGO

Azalea Indica

FINE PLANTS, WELL SET WITH BUDS.	Per 100
10 to 12 inch crowns	$ 38.00
12 to 13 inch crowns	50.00
13 to 15 inch crowns	60.00

This stock is in fine shape, with bright, clean foliage.

ARAUCARIA EXCELSA.
Excellent plants in fine condition.
12 to 15 inches high ..... $12.00 per doz.
15 to 18 " ..... 15 00 "
18 to 20 " ..... 18.00 "

ASPARAGUS PLUMOSUS.
Strong, 2½ and 3-in. pot plants, $7 per 100; $60 per 1000.

LILY OF THE VALLEY.
Selected 3 year old Berlin Pips, $10.50 per 1000. Per Case of 2500 $25.00.

CRIMSON RAMBLER ROSES
Strong, two year field-grown plants with several shoots 3 to 5 feet long. This rose forces readily, an MAKES SPLENDID SPECIMENS FOR EASTER SALES. $12.00 per 100.

LILIUM LONGIFLORUM.
Japan grown. A few thousand left in prime condition. 5 to 7 $20 per 1000. 7 to 9 $35 per 100.

LILIUM AURATUM.
7 to 9 inches ..... $4 00 per 100
9 to 11 inches ..... 5.00 per 100

CANNAS. An immense stock, including THE CREAM OF THE NEW VARIETIES. President Cleveland, Tarrytown, Duke and Duchess of Marlborough, and others. Write for list and prices.

ORNAMENTAL TREES AND SHRUBS in large assortment for Yard, Street and Park planting. Also Fruit Trees, Grapevines and Small Fruits. Catalogue and Trade List free. Correspondence solicited.

THE STORRS & HARRISON CO., Painesville, O.

Palms,
Pandanus Veitchii,
Ferns and Araucarias,
IN ANY QUANTITY.
JOHN SCOTT,
Keap Street Greenhouses,
.... BROOKLYN, N. Y.

E. G. HILL & CO.
ROSES, CARNATIONS, PALMS, AND OTHER PLANTS.
RICHMOND, IND.

PALMS SEND FOR SIZES AND PRICES
EDWIN LONSDALE
CHESTNUT HILL. = PHILA. PA.

SPECIALTIES
IN BEST VARIETIES.
ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.

LATANIAS.
2½ to 3 feet high and wide, 9 to 11 large leaves, $2 00 each. Same size, $3 00 last season.
Areeas, Kentias & Pandanus Utilus.
Different sizes, fine stock, low prices.
J. W. COLFLESH,
53d and Woodland Ave., PHILADELPHIA.

ROBERT CRAIG
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Street, PHILADELPHIA, PA.

PALMS.
Send for Price List.
JOSEPH HEACOCK,
WYNCOTE, PA.

FERNS...
In fine assortment, from 2½ in. pots, $3.25 per 100; $30.00 per 1000 .....
CHAS. T. DARLING, Stony Brook, L. I. N.Y.

We are now Booking Orders for that Peerless New Yellow DAHLIA
Clifford W. Bruton.
It is an early and profuse bloomer, while the flowers are of immense size and grow on very long stems. Address
W. P. PEACOCK, ATCO, N. J.

Pandanus Veitchii
FINE PLANTS.
7-inch pots, $1.50 each; $18.00 per dozen.
8-inch pots, $2.00 each; $24.00 per dozen.
JOHN WELSH YOUNG,
..... GERMANTOWN, PA.
Mention American Florist.

Utica, N. Y.

The indications are the trade will be equal to, if not better, than last year. The warm weather experienced during the past month used up stock intended for Christmas trade, and as a consequence good stuff of all sorts will be scarce. From the way specimen plants are being picked up it bids fair to be a plant year. The market seems to be well supplied with good palms, rubbers, specimen ferns, some good azaleas, lilies, etc.

The bulk of trade in holly and Christmas greens in general seems to be done by department stores. They sell it in all ways from two for five to 29 cents. One of these same concerns offered to supply a florist at $2.75 per case, when it is advertised in trade journals at $4 to $5 per case, size not stated. As yet there are no novelties visible either in plants or bloom.

Roses will be in short supply, with carnations a good second. Violets are in great demand, with a limited cut. From the number of calls from the trade out of town I judge we are not alone in being in short supply.

F. E. Shaw, of Sunset avenue, has opened a handsome store in the Clarendon building. It is well located just off the principal street and should attract a good trade. A very large show window affords opportunity for making a good display.

Visitors in town: Mr. John Barclay, representing Elliott, New York; Mr. J. C. Grems, Oneida, N. Y.; C. B. Humphrey, Rome, N. Y. F. J. B.

Begonia Gloire de Lorraine versus Begonia Gloire de la Reine.

Your correspondent writing under the nom-de-plume of S. Dale in a recent issue of THE FLORIST, in referring to this beautiful begonia, laments the fact that it was exhibited at the Philadelphia show under the wrong name of Gloire de la Reine and even goes deeper; he fears that this may have been done with the intention of leading intending purchasers astray, so as to prevent them from being able to find it in any but the exhibitor's catalogue. As the guilty man in this case I can only join S. Dale in throwing up his hands in horror at the careless manner in which botanical nomenclature is handled (this time it unfortunately includes myself). I can only say in extenuation of the circumstances connected with this that the error was made in the rush of getting a very large exhibit ready, and that the writer unfortunately did not discover it until the last day of the show, too late to rectify it.

I would further state that the concern represented by the writer is not offering this begonia in its catalogues and has none of it for sale, and its methods of doing business being known to nearly everyone of your readers, it will cheerfully let the matter rest with them as to whether dishonest motives were connected with the mistake or not. J. D. EISELE,
Of Henry A. Dreer, Inc.

MR. FREDERICK ROEMER writes us regarding white Gloxinias: "Snow Queen or Alba, as it is called, has been cultivated here for several years. It is a pure white with yellow throat. It comes quite true from seed, is hardy, quick growing and early flowering. The new Scarlet Queen should also be mentioned; it is a grand variety with the crassifolia leaf.

NEW CARNATION

"Mrs. S. A. Northway"

A soft shell pink, developing to nearly pure white.

OUR MASTERPIECE.

We shall commence shipping soon.

Orders booked **now** and filled in **rotation.** . . . .

PRICE: PER 100, $10.00 PER 1000, $75.00.

Newer Geraniums.

Mme. Bruant, Mme. Jaulen, Fleure Poitevine, J. Sallier and J. Ricaud. Fine stock from 2¼-inch pots, $5.00 per 100. ROOTED CUTTINGS, $3.00 per 100; $25.00 per 1000. Net cash.

GENERAL LIST OF GERANIUMS.

A superb stock in quality and variety of all the finest sorts, from 2¼-in. pots, named, $25 per 1000; unnamed, $20 per 1000. ROOTED CUTTING, $12.50 per 1000. Net cash.

Fuchsias.

A grand lot of summered-over stock in small pots that will make early blooming plants, $3 per 100.

W. P. SIMMONS & CO.

Make the following statement to the readers of the American Florist.

As originators and introducers of
"Silver Spray,"
"Tidal Wave,"
"Daybreak,"
and "Rose Queen,"

each of which has, we believe, proven even better than we claimed for them. We NOW say for 1898 that

"Mrs. S. A. Northway"

possesses all the good points that go to make up a first-class and profitable cut flower sort, and that we introduce it with even more confidence than we did the others.

It is an extra strong grower.
It is free from rust or disease.
It is a profuse bloomer.
It has exceedingly strong stiff stems.
It is of exquisite form full and double.
The flower is high built, petals serrated.
The calyx does not burst.
It is delightfully fragrant (a quality lacking in many new ones.)

OUR PRICE LIST now ready, contains prices on many other plants. SEND FOR IT.

W. P. SIMMONS & CO., Geneva, Ohio.

FIREFLY

A RUST PROOF .....CARNATION.

Bright scarlet and positively **RUST PROOF**. It is as prolific as Scott, of good size and form, and its keeping qualities are unsurpassed. We have tested it four years.

Our stock also includes all the Novelties of '97 and '98. Send for prices.

GEO. HANCOCK & SON, Grand Rapids, Mich.

50,000 Flat-Grown CARNATIONS

STRONG STOCK.	per 100	per 1000
Daybreak	$2 00	$15.00
Scott	2.00	15 00
Rose Queen	2 00	15 00
Tidal Wave	1.50	12 00
Portia	1.50	12.00
Rob Roy (new)	10 00	
Jubilee	3.00	
Snow Queen	10.00	
Silver Spray	1 50	12.00
L. McGowan	1.50	12 00
Eldorado, Meteor	2.00	
Flora Hill	5.00	
Triumph, Armazindy	3.00	
Pluto, new, and Uncle Sam, new, both varieties	10 00	

Cash with order. HENRY A. NIEMEYER, Erie, Pa.

NATHAN SMITH & SON

Wholesale Florists

Specialties: CHRYSANTEMUMS, CARNATIONS AND VIOLETS. ADRIAN, MICH.

. . . CORRESPONDENCE SOLICITED . .

BAKER'S

NEW CARNATIONS.

Grown and tested five years.

ONEIDA—Pure pink, healthy; no rust; continuous producer; largest size bloom.

RED JACKET—Bright red, fine stem and calyx; continuous cropper. **$10.00 per 100.**

Orders booked now to be filled in rotation as fast as rooted.

C. F. BAKER, Utica, N. Y.

CHRYSANTHEMUM

STOCK PLANTS

at $1.50 per doz., viz., Bonnaffon, H. Robinson, Murdock, Mrs. Egan, Freeman, Glory of Pacific, Ivory, E. Dailledouze, H. Reiman, V. Morrel, and others, or exchange for other stock.

LAMBERT BROS. 555 E. Fair St. Atlanta, Ga.

Columbus, O.

BUSINESS OUTLOOK BRIGHT.—ATTRACTIVE PRINTING FOR FLORISTS.—ROSES PERFECT AND PLENTIFUL.

It is most gratifying to note that even the most rabid of pessimists have somewhat relaxed their harping on "these bad times and goodness knows what is going to happen" them. Never in the history of this city was the business outlook brighter than it is to-day. Capital and labor are both well employed; factories are in operation, men are at work.

The general business conditions being most favorable, it goes without saying that the florists will reap some good fruit. Christmas orders are being booked quite freely and the indications are that the volume of business this season will surpass that of a year ago by a good margin.

The power of the printer's ink seems to be no longer questioned, even by the most conservative element in the craft; it is being more and more recognized as a potent factor in these days of keen competition and general "go-aheadness."

Messrs. Livingston's Sons' attractive little folder, enumerating the various plants suitable for Christmas gifts, etc., is replete with many good and seasonable suggestions; a thing of this sort is worthy of emulation.

At the Franklin Park Floral Co.'s establishment hustle and bustle seemed to be the order of the day during my recent visit. Notwithstanding the rush, however, the usual hearty welcome was extended to the scribe by the genial Mr. Knapp, that practical philosopher and all-around happy mortal, with whom, to use Emerson's words, "all things swim and glitter." It was a treat indeed to go through the houses and to behold things in their glitter. The roses and carnations are all that is claimed for first-class stock.

No rust, no disease of any kind, no complaint, no "kick coming." Mr. Knapp is especially enthusiastic over his house full of Carnots. These roses are perfect and are splendid sellers.

Mr. S. F. Stephens reports a general improvement all along the line. Mr. Stephens, among other things, grows a large variety of bedding stock. HOMO.

Named Geraniums, 2¼-in., $2.00 per 100
" Coleus, " " " "
" Begonias, " " " "
" Cannas, Standard, $5.00 per 100
Pansy Plants, - - 60c " "
Clara Bedman Salvia, - $2.00 " "
The Queen Pelargonium, $3.00 " "

30,000 CARNATION CUTTINGS
NOW READY.

Standard Varieties, - $1.00 per 100
1897 Varieties, - - $5.00 " "
Except Lily Dean and Flora Hill, - $6.00 per 100
Triumph, Daybreak and Armazindy, 4.00 " "

The Morris Floral Co.
MORRIS, ILL.
Mention Am. Florist when writing.

H. WEBER & SONS,
CARNATIONS,
OAKLAND, MD.
When writing, mention American Florist.

...NEW CARNATIONS...

WHITE CLOUD.
White, large, fragrant flowers; strong habit, constant bloomer. A. C. S. Certificate.

NEW YORK (Ward).
Bright cerise pink. Strong, vigorous habit. Early. Certificate.

MRS. JAMES DEAN (Ward).
Clear, silvery pink, strong habit, constant bloomer. Certificate.

GOLD NUGGET.
Best yellow, only slightly marked with red. Strong habit, constant bloomer. Missed A. C. S. Certificate by one point for lack of fragrance.

JOHN YOUNG (Ward).
White, fragrant, tree bloomer, strong habit.

BON TON (Ward).
Scarlet, strong habit, resembling Portia

Prices for above varieties. $2 per dozen; $10 per 100; $75 per 1000.
WE HAVE all the principal 1897 Novelties and other Standard varieties at lowest prices.
F. DORNER & SONS CO., LA FAYETTE, IND.

CARNATION "ARGYLE"

NATURAL SIZE.
GROWN AND TESTED for 4 years.
Color a pleasing shade of carmine pink; flower 2½ to 3½ inches; borne on long stems, healthy and free from Rust; perfect calyx, and continuous bloomers.
Rooted Cuttings ready March 1st.
$2.00 per doz.
$10.00 per 100.
$75.00 per 1000.
STOLLERY BRO'S ARGYLE PARK CHICAGO.

Experiences
...WITH...
CARNATIONS
Ready now. Send me your address on a postal and receive them regularly, during the season.
ALBERT M. HERR,
.....LANCASTER, PA.

BON TON Grand New Scarlet Carnation
$10.00 per 100. $75 per 1,000.
Flora Hill, the finest white—$5.00 per 100. $40.00 per 1,000.
G. M. Bradt, the finest varigated. $6.00 per 100. $50.00 per 1,000. January Delivery.
H. F. LITTLEFIELD, - Worcester, Mass.

Always mention the American Florist when writing to advertisers.

ROOTED CUTTINGS

ROSES.
Bridesmaid
Brides
Perles
La France
Meteors
Kaiserin
$1.50 per 100, $12.50 per 1000, Cuttings.

CARNATIONS.
William Scott
Nancy Hanks
Tidal Wave
Portia
Lizzie McCowen
Kohinoor
$1.00 per 100, $7.50 per 1000.
Daybreak
Triumph
Emma Wocher
Meteor
Coldfinch
Lizzie Gilbert
Harrison's White
Brideamaid
$1.50 per 100, $12.00 per 1000.
Flore Hill
Morello
Nivea
Mayor Pingree
Jubilee
$3.00 per 100, $25.00 per 1000.
REINBERG BROS.,
51 Wabash Avenue, CHICAGO.

DIRECTORY FOR 1898
Will be out early in the year. Write for advertising rates.....
American Florist Company,
324 Dearborn Street, Chicago.

Baltimore.

STATE OF TRADE.—VARIOUS WINDOW DECORATIONS.—BAD WEATHER MAKES GOOD PRICES BY SHORTENING THE SUPPLY.

The holiday season is upon us, but the store men are generally non-committal so far as giving comparisons between this and preceding seasons is concerned. About the most definite expression that can be obtained is, "Well, trade is fair and prospects are encouraging," or, "it is too early yet to say what trade is going to be, but we are having our usual orders," or, "Prices are about the same as usual," or some similar mildly optimistic remark.

The stores are mostly decorated, and some of them very prettily. At Saml Feast & Sons' the large window was carpeted with selaginella; several fine specimens of oranges, cyclamens, cypripediums and erica being arranged to show up through it, with a large Harrisii at each side. Asparagus climbed up the corners and festooned the ceiling of the window and the space between the tops of the plants and the ceiling was rendered attractive instead of vacant by having a dozen fine Adiantum Farleyense in gilt ornamental pots suspended at irregular heights and intervals by wires so fine as not to show. The ferns, which were from five to six inch pots, and very well furnished, seemed like globes of feathery green and made a very pleasing effect.

John Cook had orange plants full of fruit showing through southern smilax all the way up one side of his window, a mass of cypripedium insigne at the bottom and a beautifully grown balloon of Asparagus Sprengerii at the back. Wm. J. Halliday had his entire store transformed into a bower of green by covering the ceiling with southern smilax, which with the palms and potted plants around about concealed the straight lines of the interior completely.

Several stores have postponed their decorations till later in the week, either to have them fresh for Christmas Eve or on account of the bad weather on Monday.

The weather has been badly against bringing Christmas stock to perfection, and the able grower who has succeeded in producing first-class flowers, in spite of the clouds and rain of the last two months deserves the good prices and brisk demand that he is finding this week.

MACK.

Other Roses in a Kaiserin House.

What red and pink roses can we grow most successfully in a house with K. A. Victoria for summer and fall bloom, grown in solid beds, year after year, and kept cool in winter?

The K. A. Victoria have done well for us this year; they are planted in the north beds of a house 30 feet wide, with the north slope slightly longer than the south. We wish to plant the front and middle beds to red, pink, and perhaps a few yellow roses, and have thought of Beauty and Testout; would they do? Would La France or Bridesmaid be better or freer than Testout? What would Meteor do under these conditions from May to December? What would be best for a few yellows?

The house is high, dry, light and well ventilated.

HOYT BROS.

For solid beds and such high houses I should think American Beauty would be the red rose to grow, as it will sell anywhere if any variety can be sold. Meteor is a splendid summer rose; the only one perhaps of its class and color, but I have found that it is liable to make too strong wood when its roots have the unlimited freedom of a solid bed; very strong bottom shoots seldom produce a well-shaped or finely-colored flower, even during the hottest summer weather. This may seem strange, but it is a fact all the same. Meteor is at its best on a raised bench, in a very light house, not very far from the glass, and occupying the whole structure, so that it can have a little fire on cold nights, when other varieties may not need any.

Should past experience show that your soil is adapted to the growing of Testouts I think it would, when established, prove very satisfactory if given the south side bed, where it will be fairly close to the glass. After being rested naturally through the winter, pruned, and started slowly like a hybrid, it makes luxuriant growth and blooms most profusely. Fine Testouts will always sell summer or winter.

On the other hand, when Bridesmaid is handled properly, old and strong plants will give finer blooms in the summer than many growers cut in winter. Why not try for pink, both Testout and Bridesmaid? La France, except when it does exceptionally well, comes too washy, and ordinarily is neither a good grower nor a good seller.

As a yellow for summer work, Perle is without a rival, given a solid bed, plenty of room and liberal treatment; and it will grow and bloom more freely than any other rose that I know, and prove satisfactory in every way. ROBT. SIMPSON.



Verbena King

ONE MILLION

to offer the following season in 55 of the latest and best mammoth named vars. In cultivation, free from rust or mildew. Satisfaction and safe arrival guaranteed in every Way to all parts of U. S. and Canada. @ 60 cts per 100; $5 50 per 1 000; 5 000 for $25 00; 10,000 for $45 00; 25,000 for $100 00. EXPRESS PREPAID.

ROOTED PETUNIA CUTTINGS. double Dreer's and Henderson's latest strains, finest on earth, @ $1 25 per 100; $10 00 per 1000. Express prepaid.

HELIOTROPES, rooted cuttings, 10 named vars., $1 00 per 100; $8 00 per 1,000. Express prepaid.

TESTIMONIALS.

C. HUMFELD, DEAR SIR:—We wish to thank you for the extra fine Verbena Cuttings received. They were the finest we ever saw; also for the extra count we thank you. Resp'y, TIPTON & HURST,
Little Rock, Ark.

C. HUMFELD, DEAR SIR: Your Verbena Cuttings received this day. They are the finest cuttings I ever received; a credit to any florist; none better.
Yours Resp'y, GEO. T. SCHUNEMAN.
Blue Point, L. I., N. Y.

CASH PLEASE.

C. HUMFELD, - Clay Center, Kan.

100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants, $2.50 per 100; $20 per 1000. Rooted Cuttings, 75c per 100; $6.00 per 1000; $50 per 10000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.
Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

50,000 SMILAX by mail, 50c per 100, $4.00 per 1000.

GERANIUMS mixed, from 2 in. pots, $2.25 per 100, $20.00 per 1000.

Send for samples.
Cash with order. **FRED BOERNER,**
CAPE MAY, N. J.

VERBENAS.

The finest collection in America, 35 varieties, every one a gem—mammoth size, striking colors, green as grass and as clean as a whistle. Rooted Cuttings, 60 cts per hundred; $5 00 per thousand. Strong plants, full of cuttings $2 00 per hundred.
STRICTLY CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

Mention American Florist.

CHRYSANTHEMUMS.

STOCK PLANTS FROM BENCH.

Marion Henderson, Montmort, Ivory, Pink Ivory, Queen (white and yellow), Wanamaker, etc. Also a large collection of the best Ostrich Plume varieties. All $1.00 per dozen; $5.00 per hundred.

CHAS. L. MARSHALL, 67 Merrimac St., Lowell, Mass.

Mention American Florist.

ROSES.

FIELD-GROWN, OWN ROOTS.

No. 1, two to four ft., cut back to two ft.

Marechal Niel, Yellow Rambler, Hybrid Perpetuals, Mosses, Hardy Climbers, Madame Plantier, and Wichuraiana.

All on own roots except Marechal Niel, which are grafted on non-sprouting roots. These plants are very strong and well shaped. Prices on application. ADDRESS

W. F. HEIKES, Mgr., Huntsville, Ala.

BOUGAINVILLEAS.

Beautiful for "cutting" or pot sale.

Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests.

Send for "Comments and Facts."

THEO. F. BECKERT, Glenfield, Pa.

9 miles below Pittsburg, Pa.

GERANIUMS ROOTED CUTTINGS

Double Grant, La Favorite, S. A. Nutt, Mme. Salleral, Ivy leaf Geraniums in six colors, strong and well rooted, $1 50 per 100, postpaid; from 2½-in pots, $2.50 per 100

Chrysanthemum Frutescens Hallerii, finest yellow daisy in commerce, fine color, free bloomer, from 3-in. pots, $1.00 per doz

Begonia Argentea Guttata, rooted, $1.50 per 100; from 2½-in. pots $2.50 per 100.

SATISFACTION CUARANTEED.

PAUL MADER, - East Stroudsburg, Pa.

GERANIUMS.

Grand Bedders; also New and Fancy kinds. Plants $1.30 per 100 by express; $1.60 by mail. PANSIES 50 cts. per 100 by mail; seed, 1000 20 cts. Begonias, Coleus, Petunias, Verbenas, etc. A list and further information any time.

DANIEL K. HERR, Lancaster, Pa.

HARDY

Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA.

PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

Los Angeles. Cal.

BICYCLE ACCIDENT TO B. F. COLLINS.—LIGHT FROSTS.—ORANGES PROMISE WELL—GENERAL NEWS AND PRICES.

B. F. Collins met with a serious mishap a few days ago while riding his wheel. He was bruised considerably, which will keep him housed up for a week or two. During his disability his business will be attended to by his able assistant Miss Sexton.

On the low grounds in some sections in and near the city the frosts of the past two weeks have killed the tender stuff and the cold weather generally has caused a scarcity of nearly all kinds of flowers.

Several parties are planting Roman hyacinth (imported) sets, to see if they can be profitably grown here for the eastern trade.

Mrs. Whittlesey, of Boyle Heights is cutting some fine Gontiers and other roses as well as poinsettias for our city stores. Mrs. Whittlesey has frostless ground and grows all in the open, and cuts roses all winter.

Fred. Rafferty, of Santa Ana is sending in some fine Farquhar violets.

Violet Princess of Wales is in demand here; it comes into bloom earlier than the California.

The great specialty of the Redondo Beach Floral Co. is carnations. The company is pushing ahead and will plant ten acres of young carnations within the next few months.

At the last meeting of the Los Angeles Florists' Society, Mr. Scharff of the Paradise Nurseries, Pasadena, read a very interesting and instructive essay on the eucalyptus which was greatly appreciated.

If rain does not come soon some fields of freesias will suffer and parties who are now quoting prices for large size bulbs will be unable to fill contracts.

While six degrees of frost is acknowledged in some places in the citrus belt no one will confess to any damage to the orange crop which is estimated at 12,000 car-loads of 330 boxes each.

Capt. F. Edward Gray, of the Ingleside Nurseries is about finishing another greenhouse 20x125 feet. This to be used mainly for carnations. In addition to this, during the summer, he built one lath and three cloth houses. From his carnation field he is cutting 4,000 to 5,000 daily. This is not enough to supply the demand at his handsome store 140 S. Spring street, Los Angeles.

Ruling retail prices on cut flowers, roses, 40 cents to $1 per dozen. Carnations, 15 to 20 cents per dozen; violets, 15 cents per bunch of fifty; poinsettias, 10 cents per head. D. R. WOODS.

St. Paul.

Trade has been fairly active with all kinds of cut flowers in good demand. While the supply has not been large, it has about kept even with the demand, and good stock has sold readily. Beauties have been eagerly sought after and though prices have been soaring upwards for several days, still price appears to be no object if good blooms can be obtained.

In the line of greens trade is very good. Prices, especially on lycopodium, are very low, while stocks are large. Advance Christmas orders are coming in freely, and the country trade will be exceptionally good. Shoppers are numerous and inquiries plentiful, though actual sales are a little slow. But as trade is better in all lines than last year, the florists will undoubtedly be twice glad before the end of the week. Glad to see the orders come in, and glad when the last one is delivered on Saturday.

The weather during this month has been more favorable than usual for December, and a good crop for Christmas is in evidence at nearly all of the growers' places. There is also a good supply of good plants and these will sell readily. The tendency among buyers is to buy more plants, greens, etc. and fewer cut flowers at holiday times.

L. L. May & Co. have a fine display of azaleas, lilies, primroses, cyclamen, etc. The large conservatory in connection with their store affords ample room for showing their stock to customers.

Holm & Olsen on St. Peter street have a nice display of potted plants and greens and report business very satisfactory.

Vogt Bros. have three stores during the holidays and are kept very busy with their green trade. Christmas trees are in evidence on every street corner In every vacant lot, at many of the grocery stores and on the market. This branch of the trade is not handled by the florists.

C. F. Haupt, the west side florist has a fine house of violets, and quite a large number of 'mums, kept cool and held for the Christmas trade.

R. C. Seeger another of the west side growers has a fine house of roses just in crop. His Brides and Bridesmaid are among the finest in this market. Mr. Seeger also grows carnations, violets, etc. as well as a general line of bedding plants. Every inch of space in his houses is utilized to advantage—a feature which more of the growers should imitate.

FELIX.

Chrysanthemum Frank Hardy

The SENSATION Of the Season.



Certificated by the committees of the Chrysanthemum Society of America at New York, Chicago, Boston and Philadelphia.

First prize among whites wherever exhibited. The best mid-season white to date and indispensable to every grower whether for exhibition or the cut flower trade. Plants ready March 1st and orders filled in rotation.

Price, per plant, 50c; per dozen, $3; per 100, $20; per 1000, $150. 25 at 100 rate. 250 at 1000 rate

A. HERRINGTON,

Florham Farms, - MADISON, NEW JERSEY.

The Yellow Fellow

Winner of the $100 high grade Stearns Bicycle Prize in a strong competition. It gives a large, graceful bloom under ordinary treatment and can be grown a "whopper" for exhibition. Bud tinted bronze, maturing rich bright yellow; constitution ironclad. Mid-season variety. 50 cts. each; $3.00 per dozen

Wm. H. Chadwick

A phenomenal seedling, the grandest of the year. A star production. Certificated at Chicago, Boston, New York and Philadelphia. An immense, graceful incurved bloom, waxy white, occasionally tinted pink. Growth, habit, stem and foliage simply perfect. Mid-season or late. Anybody can grow it satisfactorily. It cannot be praised too highly. Per single plant, $1.00; $8.00 per dozen.

Madeline Pratt

Certificated 1896. Named for the sweet little miss on the Chrysanthemum certificate; snowy white, high built bloom. A very beautiful flower. Early mid-season. Best four terminals grown cool. 35 cts. each; $2.00 per dozen.

Strong, healthy young stock from 2½-inch pots distributed March 1st. Advance orders already numerous.

.....GROVE P. RAWSON, Elmira, N. Y.

CARNATION CHRYSANTHEMUM AND CANNA

NOVELTIES For Spring 1898

We can supply you all the best new ones in one order in one express shipment and guarantee first class plants.....

NEW CARNATIONS....

Rooted Cuttings ready March 15th.

Mrs. S. A. Northway
Argyle
Evelina
White Cloud
Cold Nugget

Per doz., $2.00;
Per 100, $10.00;
Per 1000, $75.00.

NEW CHRYSANTHEMUMS

The Yellow Fellow
Madeline Pratt
Pennsylvania
Mrs. C. H. Pierce
Mrs. C. H. Weeks
Wm. H. Chadwick.
Frank Hardy
Autumn Glow
Mrs. Arthur J. Caton

NEW CANNAS

Pres. Cleveland
Pres. Max Michelli
Burbank
Englewood
Allemania
Burgundia
Austria
Maidens Blush
Souv. de Mad. Crozy
Yellow Crozy
Atlanta
America
Italia
Secy. Chabanne
Philadelphia

FICUS ELASTICA Per 100 $40.00, $50.00, $60.00

A big stock. True large leaved.....

VAUGHAN'S SEED STORE

14 Barclay St., NEW YORK 84-86 Randolph St., CHICAGO

A Word to the Boys.

You are starting now, as I understand, for the first time in actual business. A few words of advice from one who started in the same position you now hold, many years ago, may be worth your listening to.

Remember that you have sold something to your employer and are bound as an honest young man to deliver what you have sold. You have sold not merely, certain hours of your time, but you have sold your best thought and your best efforts, not limited by hours, nor circumscribed by rules. When the day comes that you can no longer give to the business with which you are connected the best that is in you, then, if you are honest and upright, as I take you to be, you will at once sever your connection with that business. Carelessness, inattention to duty and the shirking of work are forms of dishonesty only a little less in degree than the stealing of the goods of your employer.

Before beginning any work make sure that you understand fully what is required. Having a full understanding of this, let your first effort in all cases be to accurately execute it with careful attention to the smallest details. No matter how slow the work goes at first, be sure it is done right. As you become more familiar with it, you can work more rapidly, but remember that always and everywhere, accuracy is of many times more importance than speed.

If the work gets ahead of you, do not get excited and nervous, dropping one thing unfinished, for another. Keep steadily at it, finishing each matter before taking up another. Steady work wins over hasty work, every time.

If your work is done for the time being, don't stand still and wait for some one to tell you what to do next. Find something to do.

Keep your eyes open and learn every detail of the business. When you can do so, without neglecting your own particular work, help someone else. The other fellow will appreciate it, your employer will appreciate it and you will learn something new.

Be prompt in beginning work in the morning and not too prompt in quitting at night. Even if it is already quitting time it will do no harm to ask the "Boss" before you put on your coat, "Anything more to-night?"

Keep your wits about you always, and don't go to sleep over your work. Don't lounge and don't slouch when you walk.

Be accurate in your statements, don't be afraid to ask about what you don't know of your own work, but for other questions, choose a seasonable time

Above all things, don't lie. B. JONES.

[Mr. Jones says he will have something to say to employers, too, one of these days.—ED.]

Red Cedar Benches.

Visitors to the establishment of Mr. Richard Witterstaetter at Sedamsville, O., this summer while his new houses were building, noticed that he was using red cedar for benches if they were not too much absorbed in taking notes of some of his new wrinkles in greenhouse building, or in casting envious eyes on a field of Evelina. He writes as follows: "In regard to the red cedar lumber it is just double in price that of white pine. The grade I used was $35 per 1,000 feet White pine 3rd common here sells at $17.50 per 1,000. It lasts about five times as long, judging from the bench I have had in use for six years. The boards in question, if a jack plane were run over them would show a light surface, the only decay being on the end, where the side upright board passes the ends of the bottom. This I have overcome in my new houses by placing the side upon the bottom beds. The decayed ends amounted to about an 1/8 of an inch on each end. The only trouble with it is to get the right length to cut to, as it runs from 7 to 14 feet long and from 4 to 8 inches wide.

CHESTER, PA.—Messrs. J. E. Smith & Sons have opened a flower stand in the railroad station

Jardinieres, Pots AND Pedestals



ADAPTED TO

Florists' Use.

Artistic Shapes and Decorations.

Write us for Illustrations and Prices.....

BURLEY & TYRRELL, 42=44 Lake St., CHICAGO.

H. P. ROSES

Now is the time to start H. P. Roses for Easter Sales. Every up-to-date florist should have this stock in good shape for Easter. Our stock is first class and of the right kinds, well branched, with good fibrous roots.

CRIMSON RAMBLER, MARGARET DICKSON — OWN ROOTS @ $2.00 per doz.; $15.00 per 100.

Hermosa, Anna de Diesbach, Coquette des Alps, Gen. Jacqueminot, Mrs. John Laing, Magna Charta, Paul Neyron, Ulrich Brunner — 2 Year Dormant — OWN ROOTS, Per Doz., $1 75; per 100, $13.00. BUDDED, Per Doz., $1.50; per 100, $12.00.

American Beauty, La France, Mad. Chas. Wood, Gloire de Lyonnaise, Mar. P. Wilder, Malmaison — Of these we have budded stock only. Per 100, $12.00.

Mme. Plantier, OWN ROOTS, Extra heavy, per 100, $8.00.

CHRYSANTHEMUM STOCK PLANTS

Any of the following at $1.50 per dozen; $10.00 per 100.

Alcazar, Beaute Lyonnaise, Buff Hairy, Constellation, Crystallina, Chas. Davis, Defender, Eugene Dalliedouze, Enfant de Deux Mondes, Evangeline, Golden Wedding, Geo. Bramhall, Gretchen Buettner, Golden Hair, Golden Trophy, H. W. Reiman, Ivory, Ida, Joanna, Jayne, Louis Boehmer, Lorelei, Miss Minnie Wanamaker, Mrs. Jerome Jones, Mrs. J. G. Whilldin, Major Bonnaffon, Mme. F. Bergmann, Mayflower, Mrs. W. H. Rand, Mrs. Moses J Wentworth, Mrs. Col. J. Thompson, Mrs. Potter Palmer, Mrs. Higinbotham, Miss M. M. Johnson, Mrs. H. Robinson, Millbrook, Mrs. A. J. Jones, Miss May Willimson, Merry Monarch, Mrs. Perrin Midnight, Marion Cleveland, Miss Agnes L. Daiskov, Mrs. J. Peabody, Mrs. Geo. J. Magee. Margaret Jeffords, Mrs. Martin A. Ryerson, Niveus. New York, Oakland. Philadelphia. Paul Noisette, Pitcher & Manda Reine d'Angleterre, Shavings, Sunciad, The Queen, Thanksgiving, Viviand-Morel, William Simpson White Swan, Yellow Queen, Yanoma, Yellow Monarch.

14 Barclay St. NEW YORK — VAUGHAN'S SEED STORE — 84-86 Randolph St. CHICAGO

Florists, Seedsmen and Nurserymen

ARE ALL REPRESENTED IN THE DIRECTORY.

Send us your business card, and have your name tn the sixth edition.

AMERICAN FLORIST COMPANY, 324 Dearborn Street, CHICAGO.

Blooming of Marechal Niel.

On page 474 of the issue of December 11 "Subscriber" asks what to do to make his plants bloom. In reply Mr. Simpson has given some good sound advice; but as the plants may possibly be in a house where it might be difficult to follow that advice without injury to other inmates of the same greenhouse, the following treatment may help subscriber, and certainly will make his plant bloom if he goes about it with reasonable intelligence. If, as he says, the plant has made strong vigorous growth, and he has not cut it back for sometime past, start by gradually withholding water at the root and after four or five weeks of this treatment, he will on examination find the eyes on the older part of the strong shoots considerably more prominent than they were at the start; the withholding of the water at the roots will also somewhat check the rapid growth of young soft foliage and wood, but not altogether Of course it will not do to withhold the water to the extent of making the wood shrivel, and it may be necessary to syringe the foliage over head occasionally to keep down red spider and other insects; by a little careful watching all these things can be avoided and yet have the wood somewhat hardened off and the eyes somewhat more prominent in four to six weeks. When this is accomplished, examine the strong shoots carefully to find the last good plump eyes nearest the young growth; at this point give the shoot a twist of two or three turns; this will enable Subscriber to double the top of the shoot back very easily so that it forms practically a letter V with the soft top hanging somewhat lower than the better matured part of the shoot; serve every shoot on the plant the same way. This will check the flow of sap and throw it back into the eyes on the older wood without giving any severe check, and diverting the flow of sap to making new growth only from the ends as is nearly always the case with Marechal Niel when pruned back without having the wood previously thoroughly ripened off.

When I used to grow this rose in houses with other teas I could always insure getting a good crop of this glorious rose for Christmas, and by careful calculation could get another good crop by first of April. It takes at this season of the year five to six weeks to get the plants into the right condition to treat as above. As soon as all the shoots are twisted, bent back and tied in position, start in gradually watering at the root, light at first, with plenty of syringing of the stems and foliage, and in about three to four weeks the buds will begin to show. As soon as you are satisfied the buds are set which they will at every eye, the plant should have liberal treatment of moisture and some liquid manure at the root occasionally. Should any eyes break into new strong growth instead of buds, twist and double back as soon as long enough to do so. This throws the whole strength of the plant into the buds instead of the young shoots.

Presuming that the treatment has been a success, as soon as the crop of buds are cut, the tops which were doubled back should be cut clean off where twisted, and the plant allowed to make another growth. This time the shoots will not be so long, but will be more numerous as the eye next to where each bud was cut will usually start into growth and make a stout wiry shoot. As soon as it is two or three feet long the same treatment recommended for first crop should be resorted to, and another good crop of flowers secured before the summer heat is too great. After the second crop is cut, the summer weather can then be used to advantage to give the plant a good rest, after which all the small useless wood can be carefully pruned out and the good wood left for future use.

This, in my experience, is all the pruning or cutting back proper any climbing rose should ever have, and if carefully followed will give the best results in blooms

A short time ago, I received a letter from a "Working Gardener" without any other signature, asking questions to be answered.

I must respectfully decline to answer any correspondent who does not sign his name. I cannot say anying about it unless the party writing said letter signs his name, the same of course to be treated as a matter confidential between himself and myself. I take this means of answering "Working Gardener," so that he will know the reason why he has not been otherwise answered. JOHN N. MAY.

Chrysanthemums—Petals Turning Brown.

ED. AM. FLORIST:—Can some one tell why every bloom on our Indiana 'mums turned brown and mouldy just before they were ready to cut? Otherwise it promises to be a valuable variety with us, on account of its beautiful color and lateness. We are running our houses with only a little heat on account of Mrs. J. Geo. Ils, which is our best and latest 'mum, being in prime at Christmas and a grand variety, barring a little weakness of stem. A. R. M.

Larchmont, Wash.

It is always very hard to diagnose a serious ailment a thousand miles or more away, and especially so in this case, as the turning of petals to a brown, as if burnt, or the petals looking as if mouldy or rotting, may result from two or three causes. The most frequent cause, however, is over-feeding, or feeding with too strong stimulants, after the flower has begun to show color. It may also be caused by a very warm, hot sun, following two or three cloudy days, the plants during the dark weather make a soft growth, and a blazing sun causes them to wilt and burn. Another cause is damp houses at night, shut up close, and not thoroughly aired. There are many red and pink varieties, Indiana being one, and a few white which are much given to this complaint and need careful attention, but, generally speaking, anything that tends to a soft growth, places the plant in a condition that the petals become easily burnt. E. A. WOOD.

BRUNSWICK, MAINE.—Mr. Jas. Dennett died on Tuesday, December 14, at the age of 69 years. Mr. Dennett established the first hothouses in this town many years ago.

Cane Stakes

10 to 12 feet, $25.00 for 10,000.
" " $3.00 per 1,000.

Ficus $25.00 per 100 feet.

3-in pot plants, 4 to 6 leaves, crown cuttings, $15.00 per 100.

A. C. OELSCHIG,
TERMS CASH. SAVANNAH, GA.



MONEY FOR YOU

Others are Planting **GLADIOLI** Under Glass.

Why Not You?

OUR STOCK IS UNEXCELLED. PRICE LIST ON APPLICATION. IT TELLS HOW TO GROW THEM.

Gushman Gladiolus Co., Euclid, O.

The American Florist Company's **DIRECTORY** of FLORISTS, NURSERYMEN and SEEDSMEN

of the United States and Canada is now undergoing a thorough revision, and the sixth edition will be ready early in 1898.

Emil Steffens, Manufacturer of FLORISTS WIRE DESIGNS —AND SUPPLIES.— SUCCESSOR TO N. STEFFENS AND STEFFENS BRO'S. ESTABLISHED 1866. 335 EAST 21ST STREET, NEW YORK CITY.

Rochester, N. Y.

ANXIETY AS TO CHRISTMAS TRADE.—DEATH OF HENRY E. BOARDMAN.—ASSIGNEE WING'S REPORT.

Flowers of all descriptions are none too plentiful, and some anxiety is felt in many quarters as to the supply for Christmas, but it is too early to predict anything concerning either their quantity or quality. The week passed without any specially brisk demand, excepting two or three little dinners which called for table and hall decorations; our florists, however, have reason to anticipate a good trade for Christmas; orders came in early this year, and many sales in plants have been made for a week or so, while in former years nearly the whole bulk of the trade had to be done in the last two or three days. The stores are all well stocked with plants, arranged into large banks and in the show windows, every space is utilized for their accommodation, even the spacious stores of Salter Bros. seem to be too small on such occasions, while all the rest of us have to submit to circumstances as best we can. We hope that every one of our florists, be he engaged in the retail or the wholesale business, will have no cause to complain of a poor Christmas trade; all should enjoy a liberal patronage so that their minds will be glad and their bank accounts show the balance on the right side, then they may have really a merry Christmas.

On December 14 Henry E. Boardman, who formerly was in the nursery business in this city, but who in later years devoted his time entirely to the breeding of Holstein cattle, died at the age of 57. Both he and his father before him were well known nurserymen in years gone by as many of our older associates will remember. The original nursery and the greenhouses have disappeared years ago; streets were laid out and residences were built up so that nothing whatever remains now to remind us of the once well kept grounds, save a few old specimen trees which escaped destruction. A wife, a son and a daughter survive him, also one brother, S. R. Boardman, who resides on North Manitou Island, Lake Michigan.

W. S. Wing, the assignee of Fred. S. Young, the nurseryman, filed his report on December 15, in the county clerk's office. The accounting shows a balance of $647.61 to be divided among the creditors. J. B. K.

SPOTS ON ROSE LEAVES.—Answering A. S., Marietta, O., the spots on the leaves are not lice as you suppose and will do no harm, except disfiguring the foliage. The fresh cow manure is the cause. It develops a small round fungus, clear, with a black spot in the center. This fungus explodes, sending the black part up in the air to fall on the leaves as it comes down. It is very sticky and attaches itself firmly to whatever it touches, soon hardening. If A. S. will look carefully across the bench when the sun is bright, he will see this operation plainly and can hear a very slight noise connected with it. The best remedy is to remove the manure at once and replace with a mulch of, at least, partially decomposed manure. Perfectly fresh cow manure should never be used as a mulch for a bench of roses not dormant. Your trouble, I fancy, if the mulch is left as it is, will get worse for about a week and then decrease and be practically over in about two weeks more. X.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

New EARLY
Chrysanthemum....

MRS. ARTHUR J. CATON

In Bloom OCTOBER 6--Light Bronze

DWARF--3 FEET

Stem and Foliage Perfect. In Size, Form and Substance *EXCELS ANY VARIETY* of Its Season.

Distributed March 1 by

E. G. HILL & CO. RICHMOND, IND.

NATHAN SMITH & SONS, ADRIAN, MICH.

VAUGHAN'S SEED STORE, CHICAGO.

Price, Each, 50c; Dozen, $5.00; Hundred, $35.00.

To Florists



wanting to grow ERICAS (Heath) we offer below (the Two BEST EASTER VARIETIES.) Fine Bushy One-Year-Old Plants from 4-inch Pots.

Erica persoluta ALBA, $15.00 per 100.
" " ROSEA, 12.00 " 100.

Cash with Order. A. SCHULTHEIS, P. O. Box 78, College Point, L. I.

Larger plants two-year old from 5 inch pots, - $35.00 per 100. You can bring this in flower for Easter. . . . No charges for packing. Save 25 per cent. Duty.

Mention American Florist.



PLACE HOLIDAY ORDERS NOW FOR KELSEY'S.....

Brilliant GREEN and BRONZE ...AND... LEUCOTHOE SPRAYS

GALAX LEAVES...

(Finest Leaves and Packing.)

GALAX—Large or small, either color, per 1000, $1.00; 5000 lots, 75c per 1000.

LEUCOTHOE SPRAYS—Per 100, 75c; per 1000, $6.00. Wholesalers supplied at very special rates.

I am packing Original Assorted Cases for Florists as follows:

CASE A—5000 Galax, assorted sizes and colors, for $3.75.
CASE B—Same as Case A, and 200 Leucothoe Sprays additional, for $5.00.
CASE C—10,000 Galax, assorted sizes and colors, $7.50.

TERMS CASH—Shipments from Boston or North Carolina.

Give explicit shipping directions, otherwise I use best judgment. Telegraph orders save time. Order one or more cases as above, or in very large cases—Galax by thousands, color and size; Leucothoe sprays by hundreds or thousands. Samples and full information FREE. Address all communications to the introducer,

HARLAN P. KELSEY, 1150 Tremont Building, Boston, Mass.

Mention American Florist.

Telephone..... Harrison 85

Estimates furnished on application
Correspondence relative to the execution of Fine Printing and Binding solicited

The Regan Printing House

We Make

Seed and Nursery Catalogues

Book and Catalogue Manufacturers

87-91 Plymouth Place Chicago.....

Tiffin, O.

But few cities of this size can boast of as large a greenhouse plant as that owned by Mr. Lewis Ulrich. The plant covers five acres of ground, two-thirds of which is under glass, while more houses are being contemplated for the near future. The history of Mr. Ulrich's business is rather interesting.

Some twenty-two years ago he conducted a prosperous drug store; the love for flowers and plants with both him and his venerable mother amounted almost to a passion, and this led him to erect a small lean-to back of his store: as years passed on the place was enlarged; until, in 1882, the first two houses, known as No. 1 and 2, were erected in their present location, on Sycamore street. The demand for flowers, both locally and from the surrounding towns and villages, induced Mr. Ulrich to dispense with his drug store and to embark in the greenhouse business. In 1884 the increase in business made it necessary to erect a third house, and a year later a fourth one was built. Little by little the place continued expanding until in 1892 we find Mr. Ulrich managing fourteen well built houses in a manner that would have been a credit to one "born amid flowers."

All of the fourteen houses are built in the most approved manner, fitted up with all the necessary appliances and given perfect ventilation and heating facilities. Order and system obtains everywhere. Roses, carnations and violets of the best standard varieties are grown with marked success, though plants and bulbous stock receive their share of attention. Among the latter Mr. Ulrich has a novelty in the way of a dwarf calla, which he grows in 3-inch pots and of which he has about 4,000 plants. The entire stock was raised from a plant which his mother obtained about twenty years ago.

If there is one place in the establishment which Mr. Ulrich takes more pride in showing than another, it is one of his large carnation houses. This house covers 50x100. It is reached by way of the boiler room and is rather unique in its construction. Pipe purlins hold up the roof, and these in turn are held in position by pipe posts. The north wall is 9 feet high, and over this extends a Marechal Niel rose bush, bearing thousands of flowers. The south wall is 3½ feet high, and as the ground has a natural slope of 4 feet, the roof slopes 9½ feet. The carnations are planted in solid beds, with walks dug out between them to give head room in the lower part of the house. It is a splendid house, well adapted for the purpose of growing carnations.

Business conditions are favorable and the stock looks fine. HOMO.

Duty on Spoiled Bulbs.

I would like to see an expression of opinion in the columns of the AMERICAN FLORIST on certain features of the tariff law now in operation. I refer especially to the collection of duty on bulbs arriving in a rotten condition.

Undoubtedly all importers, as well as myself, have had already costly experience in this direction. I had in recent shipments about seven thousand white Roman hyacinths which arrived completely spoiled, and upon which I had to pay duty before learning the condition of the goods. The bulbs having been bought f. o. b. on the other side, I am out not only the cost of the bulbs but also the duty, which seems to me a great injustice. The tariff is based upon the value of marketable goods, and when only decayed and worthless stock is received there surely should be some provision in the present law whereby the duty paid on such might be returned.

I would like to know the opinions of other importers on this subject. By concerted action it might be possible to get an amendment to the above effect added to the tariff regulations. J. L. S.

SPECIAL efforts are now being made to make the American Florists' Directory complete in every detail. Florists, nurserymen and seedsmen of the United States and Canada will find it to be of great value. Advertising rates will be furnished on application.

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Besides improving the color of the plant, it effects a general betterment of its condition, aiding nature in disseminating and retaining the sap and life of the plant. The Tonic makes the foliage of the plant soft and pliable, and a beautiful bright green.

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FLOWERS AS THEY GROW
AND NOT AS ARTISTS TRY TO DRAW THEM.
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Printers AND..... CATALOGUE MAKERS
For Florists and Seedsmen,
86 & 88 Dearborn St., CHICAGO.

English Advertising.

ED. AM. FLORIST. English horticultural journals have so often commented upon the exaggerated descriptions and advertisements in American catalogues that it may be well to call their attention to the following advertisements which has been running for some years in one or more garden papers. Kindly note that the advertiser is a F. R. H. S.

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A rose with flowers 2 feet in circumference, a rose with perfectly green flowers, a rose nearly blue; the 3 for 5s. Pure white Perpetual Moss, pink and nearly black; the 3 for 3s. Fairy Roses, bloom in clusters, white and pink, 1 each, 2s. Japanese Roses, seldom seen, very beautiful, white and crimson, 1 each, 2s.

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This beats "Stanley's Wash Tub."

B. A.

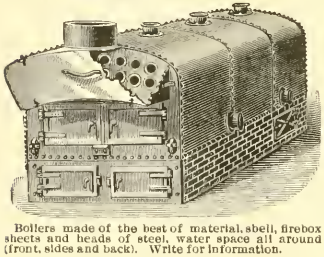
Harrisii Lilies.

My L. Harrisii are from 4 to 5 inches high and are in rose house temperature 58° to 60° night, 68° to 72° daytime; will they be in time for Easter, or are they too far advanced? You will kindly oblige by giving me a few points as above.

I. H. A.

Replying to I. H. A. would state that his lilies should bloom in advance of Easter somewhat, but it is always well to have the plants forward rather than backward, as they are easily held in check by reducing the temperature and giving plenty of air. B.

KROESCHELL BROS. CO.
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Greenhouse * Boiler,
29 to 59 Erie St., CHICAGO.

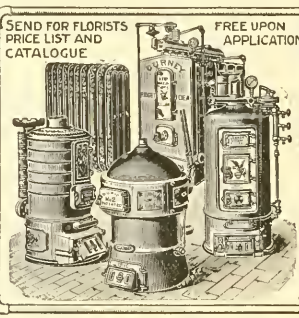


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Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.
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FLOWER POTS.
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Florist Standard Pots
Send for price list and samples (which will be sent free and we know you will give us your order.
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Flower Pots.
Right from the manufacturers. Before buying pots write to us for Special Prices and Discounts.....
Our pots are RED in color and Standard.
KELLER BROS.
213 to 223 Pearl Street, NORRISTOWN, PA.

Economy in Boilers.

Your correspondent H. H. R., in using seven vertical boilers, is certainly consuming much more coal than the present profits in vegetable growing warrant, and his bill for labor must necessarily be on the same proportion; therefore his idea of heating all the houses from one central point is well founded. In the diagram accompanying the inquiry the levels of the several houses are not indicated, but assuming that the 10 feet wide houses are the lowest, the cellar connected with them would be the proper location for the boilers, of which there should be two, one only being fired during mild weather and both in severe weather, and also that in case of accident to one boiler the second could carry the houses along until repairs could be made.

I would suggest a continuance of the hot water system of heating, but to have it so arranged that it can be run under pressure in case of an unusually cold snap; the 4-inch cast iron pipes now in use, if of the standard greenhouse pipe pattern, can be utilized in the rearrangement.

The boilers should be placed side by side and connected together by means of 6-inch mains, from which a 4-inch main would run south along the connecting passage to the central 10-foot house where it would reduce to 3½ inches; a 5-inch main from the boilers north to the 20-foot house, thence west a 4-inch main to the three 18-foot houses, the main running across the 20-foot house being 3½ inches. In order to avoid any misunderstanding I would state that the sizes of the mains are in all cases intended as inside diameters.

I should judge from the manner in which your correspondent's plant has increased from time to time, that he is progressive, and that extensions are likely to continue, and would therefore advise that he put in boilers having an ample surplus of capacity, and even should the extensions not materialize, the surplus capacity would mean economy of fuel, also that he make his chimney flues, of which there should be two, not less than 16 inches square.

HENRY W. GIBBONS.

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Write for Circulars or Estimates.

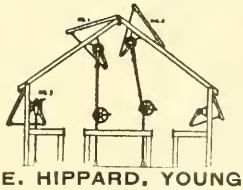
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NEVER DECAYS.
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Send for our Special Greenhouse Circular.
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NONE EQUAL IT IN Strength AND Durability
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RED CEDAR
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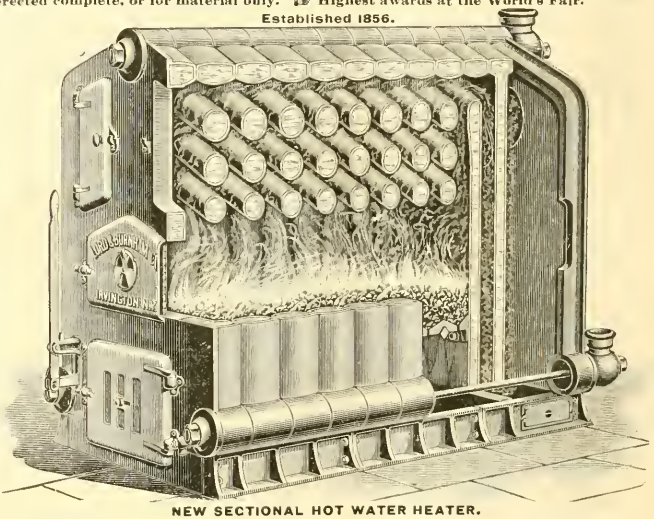
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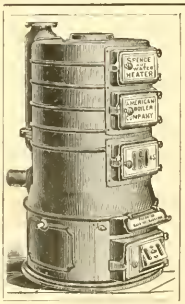


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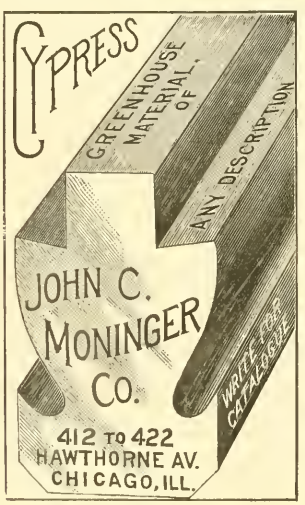
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THE AMERICAN FLORIST



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Vol. XIII. CHICAGO AND NEW YORK, JANUARY 1, 1898. No. 500.

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THE AMERICAN CARNATION SOCIETY.

Annual Convention at Chicago, February 17 and 18, 1898. ALBERT M. HERR, Lancaster, Pa., Secretary.

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THE CHRISTMAS TRADE.

Advices received from all important trade centers in the United States and Canada show a remarkable increase in the Christmas florist trade over last year. A conservative summary of these reports shows an increase of 20%. A decreased business is reported from less than 5% of the centers heard from.

Retail prices are reported the same as last year by 60%, increased over last year by 35%, and decreased by only 5% of the correspondents.

Increased demand for plants, especially flowering varieties, was stated in 75% of the reports, equal demand in 12%, and a number of the reports showing a falling off attributed it to unfavorable weather.

Carnations are evidently coming to the front. In 50% of the reports increased demand, running from moderate to phenomenal is shown, especially for fine stock. No decrease reported.

Roses have about held their own. As to other flowers reports vary so that no general increase can be shown. The same is true of green and holly.

We give below a portion of the reports received:

LANCASTER, PA.—Retail trade here was in excess of supply all around.

RICHMOND, IND.—Supply short, with quality about the same as last year.

BIRMINGHAM, ALA.—Prices much higher; supply short; quality not as good; profits small; increased demand for plants.

TERRE HAUTE, IND.—Sales heavier; prices about the same; supply short; quality better; larger demand for plants.

CINCINNATI, O.—Better sales and better prices; short supply of flowers; increased call for Meteor roses, cyclamens, fern dishes to be filled.

TRENTON, N. J.—Prices about the same; collections slow; supply equal to demand; quality about the same; falling off in demand for plants.

DAVENPORT, IA.—Sales 10% greater than last year with prices about the same. Supply short and quality off. Increased demand for plants.

LOUISVILLE, KY.—Total sales increased about 10%; retail prices the same; supply equal to demand; quality equally as good; increased sale of plants.

BOONVILLE, MISS.—About 25% decrease; prices a little better, with supply equal to demand; bought less; increased call for violets; hardly any demand for plants.

LA CROSSE, WIS.—Total sales 25% larger with higher prices; supply short. Bought more and sold at fair profit. Increased demand for roses and plants.

NEW LONDON, CONN.—One-third greater sales with retail prices about the same, enough stock for demand; increased call for plants in bloom and cheap palms.

PITTSBURG, PA.—Increased sales, averaging 30%; retail prices about the same, with supply equal to demand; quality as good. The cold weather affected the sales.

PROVIDENCE, R. I.—Total sales about the same; with little change in prices; supply equal to demand, and quality not so good; bought more; much white stuff left over.

ST. PAUL, MINN.—Perhaps 10% increase; retail prices about the same; supply equal to demand; quality not as good as last year. No special flower called for; no demand for plants.

MINNEAPOLIS, MINN.—Did not differ from last year to any great extent; retail prices somewhat higher; supply short; quality good. Increased call for carnations, violets and red roses.

MUNCIE, IND.—Trade was much better than last year; sold more greens and holly; the merchants did more decorating; palms sold well. Trade was better than during any of the past four years.

WORCESTER, MASS.—Little difference in sales, with prices a trifle higher, and supply short; quality the same; increased call for carnations, violets, and plants; holly sold better, mistletoe not so good.

LAWRENCE, KANS.—About 10% greater than last year, with little change in retail prices. Supply not equal to demand, and no call for any special flower; not much demand for plants.

DAYTON, O.—Sales equal to last year with prices about the same. Supply short; quality finer. Increased demand for carnations; decreased demand for plants. Dark weather caused light cut.

DENVER, COLO.—An increase of 40% with retail prices about the same; everything cleaned up but no shortage; wholesale prices higher, bought almost nothing; decorative plants sold more largely.

COLUMBUS, O.—Total sales about 20% less; slightly higher prices, with ample supply; stock good as a rule; violets and carnations in great demand; plants about the same. The trade was not very satisfactory.

NEW BEDFORD, MASS.—About 25% increase over last year; retail prices a little lower; supply short, except roses; quality better if anything; increased call for violets and plants, trees and Christmas greens.

PEORIA, ILL.—About same as last year. Retail prices 10% higher for carnations, but not for roses. No marked increase for any special flower. The extreme cold weather no doubt hindered sale of plants, holly and greens.

SPRINGFIELD, MASS.—Sales equal to last year; retail prices lower, supply short except bulb flowers, and quality not as good; more demand for violets and red flowers; heavy call for greens, which sold at better prices.

NASHUA, N. H.—Fully 50% more sales with prices about the same; stock equal to the demand and of better quality; increased call for carnations, plants and Christmas greens, the supply of wreaths being all cleaned up.

HARRISBURG, PA.—Slight increase, with retail prices about the same. Supply short, and quality not quite as good. Probably 20% increased demand for plants. The trade was very fair, laurel and holly selling well.

NEW HAVEN, CONN.—About the same sales and prices; great scarcity of red flowers; increased call for azaleas, primulas, and pans of hyacinths, also for all varieties of plants. Unusual demand for something cheap and showy.

BLOOMINGTON, ILL.—Volume of trade 20% better than last year, with retail prices the same; the supply not equal to the demand; quality about the same; increased call for carnations; demand for plants about same as last year.

WASHINGTON, D. C.—Total sales 15 to 20% greater; retail prices higher; supply short, with quality not so good; increased call for violets, American Beauties and orchids; large increase in demand for plants which sold at good prices.

YOUNGSTOWN, O.—Increased sales with prices a little higher; supply short; quality better; bought more, all sold at a profit. Increased call for carnations. Plants were more in demand. More greens sold than in previous years.

OSKALOOSA, IA.—Total sales about the same as last year. Prices same as last year. Supply equal to demand, quality better than last year. Increased call for carnations, holly and greens, less demand for roses. Plant trade same as last year.

ADRIAN, MICH.—About 10% advance over last year, the supply not being equal to the demand; stock superior in quality. Increased call for violets and choice carnations, especially red; also for all potted plants, particularly palms and azaleas.

LONDON, ONT.—Total sales 20% greater, with prices about the same; could have sold twenty times as many roses and carnations; could not buy at any prices; decided increase in sale of plants, probably on account of cut flowers being so scarce.

NORTHAMPTON, MASS.—An increase of 10%, with retail prices about the same; supply short; roses a little off color, other flowers fully as good in quality; not half enough carnations; every plant in bloom was quickly sold; big sale of holly, little call for mistletoe.

MILWAUKEE, WIS.—Actual figures show an increase of 20%, with prices a trifle higher; could not get all we wanted; quality about equal; purchased more, sold more; apparent increased demand for plants, but insufficient supply renders it difficult to measure.

CLEVELAND, O.—About 15% increase with retail prices ruling the same; supply of flowers barely equal to demand, but of a very fair quality. Bought no more; did not find wholesale prices lower. Carnations sold better. Increased call for plants. No peculiarity.

BALTIMORE, MD.—Slightly better in stores; worse (owing to weather) in markets; a little better prices obtained; supply apparently equal to demand; much greater call for holly; immortelles were slow and difficult sale, galax leaves with a few flowers are taking their place.



Fred. S. Walz.



Richard Witterstaetter.

THE CINCINNATI COMMITTEE, CHRYSANTHEMUM SOCIETY OF AMERICA.

UTICA, N. Y.—One-third increase, with no marked difference in retail prices. Short on lilies, roses and orchids, increased call for them. Slight increase in demand for plants. Butchers, grocers, fish dealers and fruit men handled holly and Christmas greens to the detriment of the florists.

ROCHESTER, N. Y.—About 10% ahead of last year; prices favorable in most lines; supply equal to demand except in colored carnations; quality of roses below the average, carnations were of extra large size; marked increase in plant sales, but fewer palms were sold; far greater demand for green of all sorts.

BRIDGEPORT, CONN.—Greater sales with retail prices about the same; supply equal to demand and quality a little better; carnations, violets, roses and poinsettia in demand; mistletoe sold slowly, holly in great demand. also roping and wreaths. Trade on the whole far better than last year.

FT. WAYNE, IND.—Sales 20% better, with higher prices for good stock; supply equal to demand; quality about the same; increased call for violets, carnations and plants. The city was canvassed for holly wreaths by outside parties who failed to fill the orders, thus making a rush on the regular dealers at the last moment.

WHEELING, W. VA.—Total sales greater by about 50%; retail prices 25% more; supply short; quality about the same; bought more and sold at better profits; increased call for carnations, asparagus palms and rubbers; holly and wreathing sold better than ever at higher prices; not $10 worth of mistletoe sold in the city.

ELGIN, ILL.—Sales less than last year except in funeral flowers; prices lower, and supply equal to demand. Carnations and violets poorer, roses better in quality. Wholesale prices to country florists higher; bought more. No increased call for any special flower. Decreased demand for plants. There was a desire to undersell the other fellow.

ELMIRA, N. Y.—An advance of 20% to 25% over last year; retail prices remaining about the same. The supply was not equal to the demand; the quality fully equal. The low wholesale prices failed to materialize. Not enough carnations and violets; increased demand for palms as well as blooming plants; extraordinary demand for good clean, well-berried holly, poor grade, no good.

DES MOINES, IA.—Small increase with much better retail prices; supply equal to demand. Quality better than last year. Bought more and sold on closer margins. Increased call for carnations and roses, violets and valley slow. A large increase in demand for blooming plants. Regular customers did not buy much for Christmas; and as it fell on Saturday, there was a less demand for flowers for entertainments.

MILWAUKEE, WIS.—Total sales about the same, with prices somewhat higher, and the supply fully equal to the demand, quality considerably better. Wholesale prices were not as low as last year. Large demand for Meteors and Beauties; plants about same as last year. We note that Christmas cut flower buyers asked for select stock only, as there was no trade whatever in inferior stock, as was the case in former years.



Robert Craig.



Thos. Cartledge.



Edwin Lonsdale.

THE PHILADELPHIA COMMITTEE, CHRYSANTHEMUM SOCIETY OF AMERICA.

Chrysanthemum Society Committees.

PORTRAITS.

Portraits of the members of the Philadelphia, Cincinnati and Chicago committees of the Chrysanthemum Society of America appear in this issue. The list is complete with the exception of John Fries of the Cincinnati committee who can not be begged, cajoled or bulldozed into "gettin his picter took" Next week we shall give the active officers and the New York and Boston committees.

Work of the Chrysanthemum Committees.

The summary of the work of the chrysanthemum committees published in our last issue is well worth study not only by those interested in the chrysanthemum but by all interested in the much discussed question of the point system and of the advisability of issuing certificates for novelties under any system.

The striking feature of the work is the uniformity of the results obtained. One variety scores 87 points in the commercial scale before every committee examining it. Another scores 90 before two committees and 91 before a third and 86 and 87 before the other two, having traveled seven or eight hundred miles to reach the latter two. Another scores 90, 90, 91 and still another 93, 94, 95. When one considers that there are eleven different men acting this year, divided into five separate committees, meeting in cities as widely separated as Boston and Chicago, each man influenced by the requirements of his own market, by his own personal likes and dislikes and by other personal peculiarities, and when to these reasons for varying results are added the facts that blooms may have been shipped a thousand miles to reach one committee and been carried by the hand to another and that they must, necessarily, in many cases have been of varying quality when shipped, the results may well be considered phenomenal. The society and the gentlemen of the committees are to be congratulated.

It is quite true that results vary widely in some instances, as in former years. This is especially true in the so-called off colors. The clear whites and strong yellows have always been judged with more uniform results than the others. These colors are universal favorites in all markets and with all growers while the demand for the others varies materially in the different markets.

It would appear from the scoring in this and former years that the light or lemon yellows are judged comparatively with the deep golden yellows by some committees. In such a comparison the lighter shades will always fall behind. Whether this is proper is a serious question. Should a variety which is ahead of all other lemon yellows be scaled down because it is not a golden yellow?

Some of the scoring would indicate a somewhat differing standard for comparison among the committees. It would seem that a variety larger than any of its type, color and season, in commerce, should score full points for size, and yet it is evident that varieties are occasionally compared with those of other color, type or of different season.

Some definite action by the society as to standards of comparison seems needed both for the sake of uniformity and for the information of the public. The parentage of all new varieties should be furnished by the exhibitor and be published in the summary. "Blood will tell," and careful growers will wish to know what blood is in the seedling. Over a third of the total scores are below 85, and in only one instance does a variety reach 95, the high point of the season.

The Orchid Displays at Philadelphia.

Since the varied and chaste exhibit of orchids at the spring show of the Pennsylvania Horticultural Society eight or ten years ago, made by Mr. George Savage, who for a number of years has had charge of the Kimball collection at Rochester, N. Y., nothing has approached it in novelty and rarity until the present year, when Mrs. George B. Wilson, West Philadelphia, made a very interesting and instructive display.

Hugh Graham's exhibit was an artistic triumph, but contained nothing very new; and that is the reason, I suppose, why those that did comprise the display were not labeled. The educational features of Mr. Graham's contribution to the show were as much of an object lesson to the retail trade as to the public, and more so perhaps, though the latter could not help being impressed with the idea of what grand, exquisite results may be achieved by a display of orchids. There was a time, however, when a display of anything for competition the contents of which were not correctly labeled would be unceremoniously disqualified. It takes courage for the management to carry out these reforms, but if the Pennsylvania Horticultural Society is to keep up its prestige it will have to instruct its judges to hew to the line in the good, old-fashioned way of a few years ago. Mr. Graham's collection consisted mainly of the old type of Cypripedium insigne, C. Harrisianum, the first hybrid cypripedium ever raised from seed under cultivation, and the newer species or variety C. Charlesworthii; of dendrobiums there were the white D. formosum giganteum and the vari-tinted D. Phalænopsis, with here and there an Oncidium varicosum. Cattleya labiata also formed a part of the exhibit, and some few plants of Zygopetalum Mackayi, and one plant of a light-colored form of Vanda cœrulea were seen.

Albert Woltemate also had Cypripedium insigne, C. Spiecrianum, C. Lawrenceanum and C. villosum in his display. I do not remember ever having seen the latter species of cypripedium in bloom before at this season of the year. Orchids are guilty, however, of unseasonable freaks occasionally. There were also Cattleya labiata and Dendrobium Phalænopsis and D. formosum giganteum, and the edge of the table was gracefully draped with Asparagus Sprengerii; Adiantum Farleyense was used also to excellent advantage intermingled with the orchids. Mr. Woltemate's collection was not altogether arranged for effect because every plant therein was correctly labeled, an educational feature which must not be overlooked.

Mrs. G. B. Wilson's exhibit of orchids was very favorably commented upon by all those who appreciate and have a knowledge of orchids. One on-looker was heard to make the remark that if fault could be found with it there was too great a preponderance of cypripediums. This is pardonable perhaps, because cypripediums

are among the first orchids to attract the enthusiast, and are certainly very interesting. Mrs. Wilson's collection was made up to some extent from that of the late Erastus Corning, Esq., Albany, N. Y. Mr. Corning was one of the first Americans to espouse the cause of orchids, which was ably administered by the late and highly respected William Grey (whose lamented death was recorded in a recent issue of the AMERICAN FLORIST). A success was achieved by the combination of Mr. Corning and Mr. Grey that is recognized wherever the highest type of orchid culture prevails. It is stated by Mr. Alphonse Pericat, gardener for Mrs. Wilson, that there were in her exhibit upwards of fifty species, varieties and hybrids, all of which were correctly labeled, and further he stated that there are not less than two hundred distinct forms in the conservatories of Mrs. Wilson.

When the crowds surrounding this exhibit would admit of it, I took the opportunity of jotting down some of the more noticeable and conspicuous among them. One large cypripedium attracted marked attention because it bore the inscription: "Cypripedium Spicerianum—the original plant—Veitch, 1880." What memories these words conjure up in the minds of the connoisseur! It was this species that sold readily as a small plant, one growth with a root attached, a few years ago, soon after it was first discovered, under the hammer in an auction room in London, England, at from $350 to $500 each; now the same kind of a plant may be bought at from $2.50 to $5 each, according to the number of growths the plant has. Among the hybrids—so-called—in Mrs. Wilson's display, I noticed C. "Mrs. Chas. Canham," which is a cross between villosum and superbiens. The result of this cross is removed from Harrisianum by degrees of pedigree and excellence, and to the casual observer it would be considered almost the same. In explanation, Harrisianum is a cross between villosum and barbatum. The difference between Harrisianum and Mrs. Chas. Canham is that the latter's pollen parent is superbiens (or Veitchianum) and superbiens is a superior form of barbatum. It is very interesting to take note of these differences of parentage, even when they do belong to the same family. We also found C. vexillarium superbum (Fairieanum x barbatum.) Take notice that while Mrs. Chas. Canham may be step-sister to Harrisianum, vexillarium superbum is also half-sister, because barbatum is one of the parents in both cases. (Incidentally the people in Philadelphia are strong believers in pedigree).

C. "Celia" is the result of a cross between Spicerianum and tonsum. This was an achievement brought about by our old friend, George Savage, Rochester, N. Y., and it shall be recorded that all results from the union of Spicerianum and tonsum on either side are blood relatives of Celia. C. "Alcides" is the result of a cross between hirsutissimum and insigne. The pollen parent in the latter cross is well known to those who grow orchids, and all those crosses with insigne blood in their veins are blood relations to that good old kind. C. "Lecanum" is perhaps the best known hybrid or cross in that class, and that cross has coursing within its veins the blood of two well known families, namely, insigne and Spicerianum. But I am digressing; I had in view the mentioning of the varieties and crosses, when I commenced these remarks, of those only which were to be found in Mrs. Wilson's exhibit, and it was too early for Lecanum to be in bloom.

C. acis was the next one to attract my attention, and this combines the insigne above referred to and that of the family of Sir Trevor Lawrence, Bart. (Lawrenceanum). The latter species or variety figures in the pedigree of a number of the choice crosses of this interesting class of orchids. One of the most sought after is the one known as Lawrebel. This is the result of a cross between Lawrenceanum and bellatulum. It will be remembered that the former variety throws up flowers with very long stems, whereas the latter has little or no stem at all. Its dorsal sepal is only of medium size, while that of Lawrenceanum is quite large and the petals are quite small, or rather long and narrow. Bellatulum has very large, that is to say, broad and ample petals. Some years ago the idea struck me that a cross between these two very dissimilar cypripediums would result in a useful, distinct and beautiful hybrid. On making my idea known to Mr. Dimmock he said, "You are too late, my boy, that cross has already been made and the progeny has flowered, and it has been named Lawrebel (a combination in name it will be noticed of the two parents). He further stated that he knew where a plant of this cross could be secured and he would get it for me, which he did, and when the plant came it was fine and healthy, with foliage similar to, though somewhat modified from that of Lawrenceanum. Under the care given it here it continued to grow and flourish until on one dark and dull winter's morning it was found rotten to the core. After diagnosing the case it was decided that a cold drip had taken its precious life. Am off in a tangent again. It, however, shows in what such an exhibit as that of Mrs. Wilson will result.

In addition to those few enumerated there were a number of plants of C. insigne Chantini. This is also known as C. insigne punctatum violaceum; this differs from the type in having less numerous spots on the dorsal sepal, but what there are, are larger in size and the upper part of the dorsal possesses much more white than is usual in the older sort, and some of the spots are to be seen upon the white and these take upon themselves a purple shade. The old type of Cypripedium insigne above referred to is perhaps the best known of any orchid, and is in consequence the most plentiful, and it may be bought at a reasonable price, yet some variations among the insignes are as highly prized and have been sold for almost as fancy prices as any orchid in the list. A few examples on these lines will furnish data for another chapter at some future time.

When I started to make notes about the exhibits to be seen at Philadelphia, I fully expected to give a full list of what was exhibited there, but I find that I have occupied too much of your space already. More anon. In the meantime we must keep our minds in a receptive mood for orchid lore, and be on the alert to take advantage of what may be offered along these lines, for orchids are surely becoming more popular every day.

EDWIN LONSDALE.



Chas. W. Johnson.



Geo. Stollery.

THE CHICAGO COMMITTEE, CHRYSANTHEMUM SOCIETY OF AMERICA.

Christmas Plants in New York.

The demand for flowering plants at the holiday season is plainly on the increase. The exercise of more intelligent care on the part of plant growers in the selection of plants to be sold over the counter to customers for home adornment, the observance of better cultural methods in raising plants so that they will be better fitted to withstand the unfavorable atmosphere and treatment of the average living room, all tend to make the plants more satisfactory to their ultimate owners and to develop a popularity which they might and should have enjoyed long since if the present wise efforts to provide the right kind of stock had prevailed in the past.

The plant for the million is the Chinese primrose. Careful selection has brought the quality of seeds now obtainable up to a very high grade. Form, size and color of flowers and habit of plant are all that can be desired and their cultivation is simple. When finely bloomed specimens are offered in 5-inch pots, at $15 per hundred to the trade it is hard to see where there is much profit to the grower, but the retail florist and his customers have surely no cause for complaint, and

even the poorest can afford to own a Chinese primrose.

The cyclamen is a patrician in comparison with the primrose; and yet any admirer of plants can see full value in fine specimens grown in 7-inch pots, and a ready sale is found at $12 a dozen. More fancy and calculated to appeal to the buyer with a fat pocketbook are plants in 10-inch pans, for which the price is $36 a dozen to the trade. For these better market plants seed is sown in November, therefore they are only one year old. It takes close attention and skillful management to bring the cyclamen to perfection so early in the season and Mr. Charles Trauth, of Flatbush, who has done it within a year thereby wins for himself the credit of being one of the best plant growers for the New York market.

No less effective in decorative aspect and lasting qualities are the ornamental fruiting plants. The Otaheite orange heads the list and the Messrs. Zeller, of Flatbush, who are undoubtedly the largest producers of these showy plants in the country, find the demand increasing rapidly each year. Every plant in the houses was sold fully two weeks before Christmas. These orange trees are all raised from cuttings, struck generally in December. They bloom and fruit in the second year, but the standard in the illustration is a four-year-old plant. The standards are disbudded and trained to that form, not grafted. Repotting is done in September. The old plants coming into fruit must be kept inside, but the young stock is better off outside in frames where they can have more room and are less liable to scale, which is a great pest when they are crowded together in a warm house. Other than scale the only serious trouble is a green fungus growth due, perhaps, to the water used in syringing, which comes on the foliage. The fruit takes about six months to mature. Syringing is done every clear day and the plants require plenty of water. Cleanliness and constant care are among the most necessary points in successful orange tree culture. Packing the plants for shipment requires much skill and labor, and if confined too close, the fruit is liable to drop. Dealers should caution their customers as to the necessity of liberal watering if they expect their orange trees to retain their beauty for any length of time.

The prevailing taste for everything bearing bright red fruit makes the ardisia a very popular plant for the holiday trade. Mr. Zeller raises all his ardisias from seed. Many plants are imported, but they frequently lose their foliage and the home grown stock is the best at maturity. The seed is sown as soon as ripe, which is in July or August. They are up in two months. Then comes the most critical time in their existence. Great care must be taken in watering, as there is great danger from "damping off." Ardisias are at all times peculiarly sensitive to over watering. They should not be kept constantly wet but should be allowed to stand several days and get quite dry between waterings which, however, should be thorough when done. Plants well grown are in the shape shown in our illustration when three years old. In 6-inch pots they cost $18 per dozen.

The little fern, Aspidium tenesemense, is not generally introduced yet, but it is sure to be grown largely when its good qualities become known. On account of its persistency and durability there is no better fern for use in jardinieres. Mr. Zeller says that when a fernery is returned to him for refilling after a season passed in the dwelling house if there is a good plant left in the collection it is sure to be this little aspidium. It comes nicely from spores. The plant illustrated is in a 2½-inch pot and one year old. It is not so quick a grower at the start as some other varieties. Among the other ferns suitable for collections in small pans and jardinieres are the old favorites, Pteris serrulata, Pteris cretica and cretica albo-lineata and Onychium Japonicum, and the little golden and silver selaginellas are very useful to cover the surface of the soil. Acorus humilis, Cyperus alternifolius and other grasses may be effectively used, and Dracæna Sanderiana, Cocos Weddeliana and ardisias make fine centre plants. There seems to be rapidly increasing taste and demand for these arrangements, and the florists' supply houses give material help to the development of this taste in the many attractive forms in which they provide receptacles for these pretty little fern collections. The great point florists should bear in mind is to limit the varieties to such as will withstand the severe conditions found in the average dwelling house. The quickest way to stifle the growing popular demand for such things is to fill them with delicate subjects that are unfitted to bear exposure. Our illustration shows a 9-inch pan which can be sold at $2 to $3, according to its contents.

In azaleas, Deutsche Perle for white, Vervæneana for pink and Simon Mardner for red are all offered in well-bloomed plants and desirable sizes.



Otaheite Orange.

CHRISTMAS PLANTS IN NEW YORK.



Aspidium tensemense.

CHRISTMAS PLANTS IN NEW YORK.

Carnations.

It is now time to think about what varieties to grow for another season, and to sum up every variety under your care and make your calculations accordingly. If a variety has not responded well to your treatment by this time it is of little use bothering with it, though we should take everything into consideration before condemning any variety, especially novelties, for it is hardly natural to expect a rooted cutting of last May to be doing as well at this time as one two or three months older which had the benefit of the cool, clear, spring weather to build up its constitution. Good strong plants are as essential in carnations as in roses, particularly so with all varieties having heavy foliage and large flowers. As nearly all of the new carnations that have come under our observation are of that order, it would be well for those intending to plant any of them to get them as early as possible; and, whatever you do, don't cut them all to pieces as soon as you get them with the intention of getting as many plants for the money as possible, for it will be the dearest in the end.

The principal work we have to look forward to now besides the general routine of caring for the plants is propagating, and here as a rule, is the source of most of the troubles and drawbacks we have to contend with. I have found the best bench for propagating to be where it just escapes the full glare of the sun, but at the same time has plenty of light. We are using a bench running north and south and have a blind of cheese cloth to slip up and down on a wire right under the glass when the sun is very bright. This has proven to be the ideal place to root them. We have the bench fixed so that it is clear of the back wall, so as to give a free circulation of air, and also keep the sand the same temperature and condition all over the bench. I like a good sharp sand, a little on the coarse side, which carries the water off quick and prevents the bed from becoming stagnant. The roots are not so brittle when lifted from this kind of sand as they are when rooted in very fine sand. After the bench has been well cleaned and lime washed and any old rubbish cleaned away from underneath it, see that drainage is good but not so as to let the sand slide through with the first good watering. You are then ready for the sand which should be pounded to a depth of about 3 inches. We try in every case as much as possible to take the side cuttings from flowering shoots. Though almost equally good results are obtained from the young growths if proper care is taken in selecting them, so as not to get them too soft. As soon as the cuttings are placed in the sand give them a thorough good watering, and again as soon as the sand commences to get a little dry. Under no consideration, let your cuttings wilt for want of water, and on very bright days, or when firing heavy, give an occasional light syringing, keeping the temperature of the sand at 56° and the body of the house about the same. By carrying out this plan little trouble will be found in rooting them in about twenty one days, and they should be taken out of the sand as soon as the roots are large enough to handle. C. W. JOHNSON.

A Plea for Common Plants.

ED. AM. FLORIST:—Allow me through the columns of your valuable paper to thank Mr. A. T. Simmons, for his short, but to the point letter on "Only An Old Geranium," in your issue of December 11 (page 472). The geranium has been neglected, not only by the floricultural writers, but also by managers of exhibitions. You rarely see premiums offered for the different sizes and varieties of geraniums. There are occasionally small prizes promised, without any expectation of their being competed for or taken, but apparently just to fill up, and make a better looking schedule. That geraniums of pretty good amounts, for plants of geraniums? With five or six collections of plants anything like those Mr. Johnson had at Chicago, competing together in one room, the management would surely not miss the chrysanthemum plants, and in addition, think of the satisfaction the general public would have in being again introduced to the old favorite, in its best varieties and grown in such shape that they would wonder why it was ever left



Ardisia crenulata.

CHRISTMAS PLANTS IN NEW YORK

can be grown fit for a place in any flower show, is shown by your illustration (December 4) of Mr. Johnson's plants.

There are some complaints that chrysanthemum plants are not exhibited in as good form as they were several seasons ago, and it is proposed to omit these plants from the prize list in some towns, and give the money to large vases of cut blooms, as it is said they will make a finer display without the unsightly stakes and tying. Would it not be better to offer these premiums, which are generally off the exhibition table.

The trade papers receive support from all classes of florists, therefore it is their duty to tell of what is interesting and instructive in all branches of our business. Why could we not get occasionally our column or part column of news on the newer varieties of geraniums as well as chrysanthemums, which have pages of comments. We would be grateful for a reminder once in a while with cultivation notes about the verbena, heliotrope, fuchsia, etc. Such matter might not be

of interest to the "barons" with their 100,000 feet of American Beauties, or fields of canna plants, or 20 houses of carnations, or their acres of glass for palms, ferns and rubbers, but to a great many of your readers such subjects would be instructive and satisfactory.

To get back to geraniums, they are as Mr. Simmons said, a great part of the stock in trade of many florists. Their usefulness for a great many purposes cannot be questioned. They are the best of flowering plants for summer bedding. Few things are better for flowering in a dwelling house, where you have a south window, and a few clumps of them in tubs or vases on verandas or terraces, where not too much shaded will be found very effective.

The writer well remembers seeing, many years ago, a very beautiful garden at the Earl of Meath's place in County Wicklow, Ireland, in which geraniums formed a striking part. It was a large terrace at one side of the house, where a quantity of marble statuary was scattered about, the ground work was principally carpet bedding in dull colors. The geraniums were large old plants in tubs, some of them being 5 or 6 feet high and pyramidal in shape, others of globe or bush form, and all well flowered, but the blooms were smaller than they would likely have been on smaller plants. But the effect was very pretty as these large plants were judiciously placed among the statues. N.

Smart Quakers, Fine Carriages and a Bon Bon.

This is a great town! Last week I sent you a paragraph telling how one of our wide-awake retailers trains up and dresses his messengers and has them circulating around New York, Washington, Camden and other large but somewhat slow towns delivering orders. But he is not the only one. The other day I was shown a private letter just received by one of our Chestnut street retailers asking for a few of his latest ideas on how to get up a wedding decoration. This letter was not from Kalamazoo, either. It was from one of your high-up men in New York. And he got some pointers right away—up-to-date ideas that I have no doubt will be heralded far and wide in a few months as the latest metropolitan wrinkles.

Philadelphia is too big and broad-minded to be jealous of all this, of course, and does not mind the loud shouts of self glorification she constantly hears from certain quarters. I ran into Bart. Cartledge, of Pennock Bros., on a Chestnut street car yesterday and asked him if he often found anything new when he went to New York. For answer I got a raising of the eyebrows and a shrug! Then he said: "I had a telephone message from New York this morning. It was Mr. —— ——, the millionaire banker. He wanted to get a basket of camellias for a wedding in Washington. Could he get them? Had been all over New York, high and low and no one would undertake it. Could he get them? Why certainly! Will have them on the train for you inside of half an hour! Are you sure you know what I'm talking about? Oh, yes, that's all right; there's nothing in the flower line you can't get in Philadelphia. We're up-to-date people down here. Well I swear! I begin to think there may be something in it. I haven't been in Philadelphia since the Centennial. Must run over some time and get freshened up." And so it goes, but Philadelphia never brags. She relies on the old adage that truth crushed to earth will rise again.

While I think of it, I must not forget to mention the stunning new turn-out that your regular Philadelphia correspondent, Robert Kift, has got this winter. Naturally Robert can't very well tell you about it himself. I had to get the photograph which appears herewith at the pistol's point. Or, to put it in the style of a certain New York correspondent, I surreptitiously abstracted it. How's that? I hope the printer spells it right else there'll be a howl. Now, Mr. Printer, don't make that b-o-w-l. It's bad enough to get the poets down on you let alone the athletes. [By an unfortunate slip in the types in a recent number, Mr. Watson was made to style Mr. Law our "howling" poet, instead of "bowling" poet as written. And poets are thin skinned, too! —ED.] I see many fine rigs in my walks around town. Battles, Crawford, Heron, Craig, and others have handsome and up to date affairs, but I think Kift's is the most fetching of all.

I wish I could write like Kift. I don't want to make him more conceited than he is, but how he can get his column week in and week out and year in and year out, always so readable, polished, wise and witty, passes my understanding. "Age cannot wither nor custom stale his infinite variety." And how does he find the time? What with conducting one of the largest and finest retail stores in the city with success, giving pointers to New Yorkers, winning games at ten-pins, taking photographs, writing poetry, raising a family and helping Joe Heacock to write Scotch in his ads. I don't understand it. No wonder he's got no wool on the top of his head. It must be part of his prestidigitating genius, I suppose.

I could tell you a lot more about Kift and some other people, but I don't have to. I can lay off when I feel like it, and that's one little point where I console myself when I get to worrying because I can't write as good stuff as Robert Kift. May his shadow never grow less.

G. C. WATSON.



Pan of Ferns.

CHRISTMAS PLANTS IN NEW YORK.





ROBERT KIFT.

Begonia Gloire de Lorraine.

In reference to the new plant heading these notes, in the classic word of a recent writer, "I'm glad I spoke," for it has given Mr. Eisele an opportunity to

put himself on record. During the progress of the horticultural exhibition held in Philadelphia last November, the undersigned was given to understand, when this matter of erroneous nomenclature was referred to, that Mr. Eisele was very particular about such matters, and I could not resist the opportunity under the circumstances of publicly drawing attention to the error, and reminding whoever was responsible for the mistake and await developments.

In the various reports about the flower show above referred to nothing was said about this new begonia in any of the trade or amateurs' papers devoted to horticulture that I can now remember; but I did see B. Gloire *la Reine* mentioned in the report of the exhibition which appeared in that staid and usually correct agricultural and horticultural publication, the *Country Gentleman*. This fact among others had its influence in determining my course in this matter. If Mr. Eisele has resolved to be more careful in the future, my object will have been attained. If there is a fault to be found in this begonia, it is that apparently it will be a difficult matter to get up a large stock of it.

Respecting begonias it further reminds me that one of your contemporaries has a cultural note in a recent issue upon B. Erfurtae. Is it not Erfordia that is meant? I have seen Erfordii catalogued, but never before have I noticed the name of Erfurtae. Am inclined to the belief that this blunder is also likely to cause some confusion in the nomenclature of the begonia. Is it a begonia society that we need? S. DALE.

Some Long Island Carnationists.

C. W. Ward's carnation houses at Queens are among the most interesting places to be seen in the vicinity of New York, and Mr. Ward himself is very interesting as a conductor. His best time and thought are devoted to studying the characteristics of each variety in its growth and bloom and noting the results of the many crosses which he is constantly making, and when he achieves anything it is nothing more than he is justly entitled to. He regards Maceo and New York as his two best possessions. It would benefit New York if its flower was a little larger, but it has all the elements of profit in its growth, form, color, fragrance and prolific blooming. Maceo is one of the darkest crimsons ever put on the market. It is a wonderful bloomer and sells well in the New York market. John Young is a carnation that comes very near to the ideal perfect white and is in many respects a white Scott; it is covered with buds. Blush and White Cloud are also all right. The former is, as its name indicates, a white with a faint pink flush. It is an erect, handsome plant. Mrs. Jas. Dean has a fine crop of flowers on it and Gold Nugget is also remarkably productive for a yellow variety. Mr. Ward is working industriously on scarlets and has a number of promising one-year-old seedlings in this color. Bon Ton, a new scarlet from Massachusetts, shows up well. Lily Dean is a favorite with Mr. Ward and he will grow this variety largely next year.

The geraniums here are almost as interesting as the carnations. All the fine European novelties of the past year are to be seen, and many of them are remarkable as to color and markings.

Mr. Besold's new aspirant in the carnation line, Frances Joost, is very promising as seen in the houses at Mineola. It is a seedling from McGowan and Scott and appears to have all the good points required in a commercial variety today. In color it is more pleasing than Scott, being entirely free from the bluish cast in that variety. It is a fine grower and the strength of stem is shown by the fact that no supports of any kind are used in the beds. Mr. Besold is an enthusiast on the subject of carnation seedlings and has a large number of various types from which he expects to develop some winners. One which he grows quite largely, but is not yet satisfied to put on the market, is named Nero. In color it resembles Tidal Wave, but is a more rampant grower than that variety. Two fine lots of Harrisii lilies here are noticeable for the few traces of diseased bulbs seen.

Chas. H. Allen still ties to Scott and McGowan as his choice for money makers and his houses are planted mainly with these. He has one lovely pink seedling, with nice habit, which he has named Ada Rehan.

Harrison's White, here as in a number of other places, persists in standing still as far as flower stems are concerned, showing principally "grass," and gives the impression that it is trying to revert to the old type of border carnations.

Mr. Allen's house of mignonette is in beautiful shape, and as mignonette is not likely to be over-stocked in the New York market this year he should realize good money from it.

Dailledouze Bros. are highly elated with their success with Victor, which, together with Flora Hill, they regard as standing in the first rank among recent carnation introductions. They find them both good growers and equally good sellers. Old Hector is a sight worth seeing as grown here this year. Just now a scarlet carnation has the lead in the market and the dollars are fairly sticking out of Dailledouze's Hector benches.

OMAHA, NEB.—The stakes are being set for the Horticultural building. The contract for the carpenter work on this building has been signed, and work will be commenced within a short time.

New York.

REVIEW OF CHRISTMAS TRADE.—BUSINESS OPENS LATE.—BIG RUSH IN CLOSING HOURS.—ONLY GOOD STOCK SALABLE.—VIOLETS AND WHITE FLOWERS MOVE SLOWLY.—TRANSIENT TRADE GRATIFYINGLY LARGE.—NEW YEAR'S DEMAND NOT LIKELY TO BE HEAVY.—W. A. MANDA'S STOREHOUSE BURNED.

A review of the field after the Christmas rush finds the retail flower dealers generally well pleased. The sale of plants all through the week was gratifyingly large and the high quality of the stock which the plant growers had provided helped to make this department of the business very satisfactory to both dealers and customers. Little indication was given beforehand as to what the cut flower trade would amount to. It was well along into Friday afternoon before the rush got under way and all began to realize that the stock available was entirely inadequate for the overwhelming demand and the hustle lasted without intermission until the evening of Christmas day. The orders were such as could be put up rapidly, for the demand was almost exclusively for boxes of long stemmed loose flowers, the only stumbling block being that the demand was for the best grades only, the buyers showing a discriminating disposition, paying willingly for bright fresh goods and refusing to have anything to do with old stuff. When the sort of stock wanted could not be had they simply stopped buying flowers.

Comparatively few orders had been placed in advance, many of the best customers in the fashionable localities being still out of town. The trade was mainly of the kind known as transient and largely for cash, and showed most conclusively the welcome fact that easier times are upon us and that money is beginning to circulate more freely. Of certain things, such as American Beauty, Bridesmaid and Morgan roses and colored carnations the supply fell far short, but this fact did not help out as much as might naturally be expected on the inferior



NEW CARNATION FRANCES JOOST GROWN BY C. BESOLD.

grades or on bulbous or other white material. The sharp advance on favorite varieties, coming at the last moment and without previous warning, aroused the usual opposition on the part of the retailers, but it was unavoidable, and only the natural result of the conditions existing. Some retailers even went so far as to advise their customers to invest in plants instead of cut flowers and to buy anything under the sun rather than American Beauties. The sale of violets was rather disappointing on the whole. The reason is not fully apparent, but plainly there were too many of them to justify the prices at which they were held. Mignonette was a notable instance of a flower, not bright colored that enjoyed a phenomenal run and brought good prices without protest of any kind.

From the wholesalers' standpoint results were less satisfactory. The responsibility was theirs of finding a market somewhere and somehow for the avalanche of white roses, Roman hyacinths, lily of the valley; Paper White narcissus, stevia, smilax and adiantums that was piled in on them, and for the accumulations of the week that had been piling up while the retailers were attending strictly to their plant trade; and between the critical disposition as to quality, before alluded to, on the part of the buyers on the one side and the large receipts of undesirable stock on the other, their position was not altogether a happy one. Many growers added to the vexations of their commission men, without benefiting themselves in the least, by scaling up their grades, making No. 2 roses class as No. 1 and No. 1 class as fancy, and by mixing defective stock through the good, apparently in the hope that it would slide through unnoticed in the hustle and hurry of holiday trade. But it only made confusion, disappointment and recrimination. To add to the worry, many lots of flowers came in frozen and with the contrariness of such things, these frozen consignments were usually valuable stock, the rubbishy stuff coming in without a mishap.

The wholesalers were companions with the retailers in lacking all previous knowledge of the demand that was to spring up in the last hours and lamented the fact that they had been so hasty in unloading stock which might have realized so much more if it had been held in reserve. There were heaps of deformed Beauties in evidence, very difficult to dispose of, while perfect specimens brought fancy figures. Carnations, when of fancy varieties, were the most satisfactory stock of all; but violets proved very unwieldy and the demand for them was exasperatingly slow.

The present week finds a fair supply of everything in market, the only thing that appears to maintain holiday prices being carnations of the better grades. All other stock has reverted to prices prevailing previous to the rush. Flowering plants are abundant in the store windows, and it is evident that Christmas did not quite clear them out. Doubts are expressed as to whether New Year's will make any impression on business. Of late years it has cut no figure. The weather is likely to be the greatest factor; if clear and bright there will be no stringency in any line.

The cool warehouse of W. A. Manda at South Orange was burned down on the night of December 23. The building and contents were partially insured.

The next meeting of the Florists' Club (January 10) is likely to bring out a large attendance. The first exhibition for the gold medal will be an attraction, and the question of the annual dinner will be settled.

Chicago.

INCREASED DEMAND FOR PLANTS FOR CHRISTMAS.—VARIOUS PLANTS USED.—HIGH PRICES FOR CUT FLOWERS.—HARRISII IN FAVOR.—OTHER WHITE FLOWERS WENT SLOW.—DEMAND FOR CARNATIONS PHENOMENAL, PRICES DITTO.—MORE CUT FLOWERS SOLD THAN EVER BEFORE.—WHOLESALE BUSINESS SHOWS AN INCREASE OF 20 PER CENT.—RETAIL BUSINESS IN CUT FLOWERS DECREASED 10 PER CENT.—BUTCHERS HANDLE HOLLY.—A NEW FLORIST SOCIETY TO BE ORGANIZED.—RICHARD PRESCOTT BREAKS A LEG.

The weather Christmas week has been all that could be desired, a little cold for those that had plants to deliver but otherwise fine winter weather.

The Christmas trade in plants this year has broken all records. Many retail dealers on account of the exceedingly high price of cut flowers the forepart of the week went skirmishing around the greenhouses for blooming plants to trim up their show windows with. Some very good displays were made and at a much less cost than it could have been done with cut flowers. More plants were brought to the notice of purchasers in this way than there would have been had the prices of cut flowers been more reasonable. The result has been highly satisfactory. Nearly all the plants have been sold at good round prices, very few being left over. All kinds of house plants were in demand, though blooming plants of bright color were prime favorites. Cyclamens and azaleas were sold in larger numbers than ever before. Tulips and Roman hyacinths were sold in pots and pans.

Weinhoeber had quite a good display of pans such as are used for ferneries, filled, some with three or four primroses, some with Roman hyacinths, others with tulips, and all sold well.

John F. Kidwell says his trade in blooming plants at Christmas has been on the increase for several years and this year has been phenomenally good. Many lilies were sold in pots, in fact Christmas trade was somewhat after the style of Easter trade.

Never before have cut flowers brought such prices at wholesale in Chicago as were obtained during the past week, quality of stock considered, although some varieties of roses have heretofore sold for a day or two at as high prices as those obtained last week. Prices reached high water mark Monday five days before Christmas. Stiff prices prevailed all through the list, though there was no particular scarcity of anything, except good Bridesmaids. Any other stock could be got if one was willing to pay the price. Stock became more plentiful toward the end of the week but prices held firm, only a few white flowers being left over.

Harrisii lilies were the only white flowers that were in especial demand. There was a much larger supply than ever before but they were all sold and more could have been sold at good prices.

There was a good supply of narcissus and Romans which went slow and would not have sold so well had they not in many instances been substituted for white carnations.

Carnations sold better than ever before and at higher prices. Some fancy Mrs. McBurney and Mayor Pingree were sold at $10 a hundred wholesale, and it is reported that retail sales were made of these varieties at $2 and $2.50 per dozen. Many very poor carnations brought four cents at wholesale. Selected stock, common varieties, 5 cents, fancy varieties, 6 to 10 cents.

Much more pickled stock was marketed than ever before both in carnations and roses. Contrary to expectations more flowers were sold this year than ever before at Christmas and at better prices.

Very few wholesalers report less sales than last year. Bassett & Washburn report trade highly satisfactory this week, about double the same week last year; Reinberg Bros. about the same as last year, they have more glass but were off crop; Rogers Park Floral Co. report business about that of last year; E. C. Amling 40 per cent better than last year; Prince better than last year; Kennicott 25 per cent better; Lynch 20 per cent better; Hunt 13 per cent better. From the reports received we have estimated an increased wholesale business of about 20 per cent over last year.

Wholesalers report a better feeling among their country customers than ever before, very little complaint having been made. The city buyers only do the kicking.

Holly and greens which a few years ago used to be the retail florist's principal source of profit at Christmas are being made and hawked in such quantities that there is not much in it for the florist.

Very few retail florists report business as good this year as last, while the sales on the 24th and 25th were about up to the same days last year, the three days previous, Christmas prices had to be paid for all stock, which made retail prices so high that very few sales could be made that allowed a fair margin of profit. From reports of very many retailers we estimate that the retail trade in cut flowers during Christmas week is fully 10 per cent less than last year. This is made up in part by increased sales of plants. Less holly and greens were sold by the florists though more were sold by fakirs and butchers than ever before.

There is a prospect that there will soon be a new florists' society started in Chicago. Those having the matter in charge report the prospect is that a society will be organized that will be a benefit to the trade.

Richard Prescott for many years with Charles W. Northrop, LaGrange, Ill., fell and broke his leg while decorating at Riverside the day before Christmas. He was taken to the Cook County Hospital.

Mr. Frank Van Assche representing Thos. W. Weathered's Son is in town this this week.

Since Christmas, trade has been good both at wholesale and retail. Prices, although more reasonable, have held firm. The prospect is that stock will be more plentiful after New Year's. Several large crops of roses and carnations are coming in.

Blair Winter, of Winter & Glover; had a substantial Christmas remembrance in the shape of $3,000 in solid coin of the realm.

Boston.

CHRISTMAS TRADE LATE BUT LIVELY.—COLD WEATHER MADE A SCARCITY.—COLORED FLOWERS IN GREAT DEMAND AND SHORT SUPPLY.—PRICES NOT UNDULY ADVANCED.—EVERYTHING CLEANED OUT, INCLUDING "PICKLED" STOCK.—TREMENDOUS SALE FOR HOLLY AND LAUREL.—PLANT TRADE ACTIVE BUT QUALITY OF PLANTS BELOW AVERAGE.—ARTHUR NEWMAN'S RESIDENCE BURNED.—A FINE ELECTRIC SIGN.

A memorable day for Boston florists was wintry December 24. With the mer-

cury down in the icy regions and the wind howling and whirling up great clouds of dust and rubbish in its effort to make life as uncomfortable as possible for shoppers and others who found it necessary to be out of doors, a very snug wrapping of cotton and paper was required to protect plants and flowers, and the problem of safe delivery under such conditions added much to the labors and perplexities of the busy day. In this respect December 24, 1897, was a duplicate of December 24, 1896, but the street car strike of a year ago made things much more disagreeable than they were this year. A clear sky and bright sunlight also did much to atone for unfavorable conditions and brought a rich complexion to Bridesmaids and other varieties with blushing propensities, which had presented a somewhat washed out appearance earlier in the week from the effects of a protracted combination of dark weather and cellar storehouse.

Of late years it has been dangerous business to hold flowers for a chance boom but this was one of the infrequent occasions when that policy was not productive of loss, for the arrangement of the weather through the week reversed the usual rule and there was starvation instead of a surfeit on the last day. Business had been very slow in starting. Trade in "greens" was fine but advance orders for flowers were not forthcoming and the retailers had good reason to look with distrust on the prospects. To the wholesalers came the first premonitions of the coming onslaught. Early shipping orders had been few and far between and the refrigerators were packed to the doors. Things started to move on Wednesday and on Thursday they fairly hummed. Telephone bells kept up a continuous jingle and telegrams came thick and fast, many bearing signatures that had been strangers to Boston shippers ever since last Easter. Welch Bros. and Sutherland kept a large force of extra men busy and at McCarthy's and Galvin's the same lively hustle was observed.

The great pinch came on colored flowers, the supply being far short of the demand. This was true of everything with any pretense to red or pink color, from fancy American Beauty down to third quality carnations and existed in increasing ratio from Thursday morning until the end of the game. But white flowers are better than none and the final rush gathered in everything, even stevia. When you can sell stevia you can sell anything and for the first time on record stevia was sold out clean. Weather conditions being against the profitable carrying on of much street trade in cut flowers, the sidewalk vendors gave their attention to "greens" and the regular stores appropriated everything that was offered—good, bad and indifferent. Accumulations of draggled roses and drowsy carnations left over from the abundance of the previous week all found takers finally and even the blue Beauty and black bull-headed Meteor were absorbed. There was many a wry face and doleful protest but no escape and by the time Boston's Christmas bird usurped the table dedicated to the illustrious beau, the tired florists had all locked their doors and departed leaving nothing but emptiness behind.

Much of the stock obtainable was "pickled," and unavoidably so, because of the absence of any demand for deliveries during the early part of the week. Receipts of bright, fresh material at the time it was most needed were very light and all such was sold in advance at prices not exorbitant, considering the conditions. Some extra special Bridesmaids were sold as high as $4 per dozen, but few roses, other than Beauties, brought more than $16 per hundred. There was a big hunt for Beauties at 50 cents to $1 each. Three to three and a half was prevailing price for good carnations of standard varieties and many more could have been sold. Hector, Scott and Daybreak were valuable property on Friday and a small consignment of "Bong Tong" brought a gilt edged price. Violets were sufficiently plentiful for the demand which was at no time particularly brisk, $1.50 being accepted gladly for good stock. Bulbous stock, being for the most part white, moved slowly with no advance on regular rates.

The demand for holly continued unabated to the end. Despite all predictions to the contrary the quality averaged very good. Considerable embarrassment resulted from late arrival of a number of large invoices and the temporary shortage afforded a good pretext for an advance in prices which early rivalry had cut down close to first cost. Laurel wreaths met with a tremendous demand, those that had been offered as low as 8 cents on Monday being held as high as 40 cents on Friday at the markets, and the supply of laurel festooning fell far short of the demand at 12½ cents a yard, which is double the ordinary price. The small, flat wreaths of holly leaves had a very limited call and seem to have lost their popularity, doubtless because buyers have learned that they look well for but a few hours in a warm room. English mistletoe arrived late. It was in good condition but the demand was light.

The cut flower business of the retail establishments was restricted to the 24th and 25th and the demand was confined almost entirely to boxes of cut flowers. Plant trade had been very good all through the week although this department of the business here suffered from the inferior quality of the plants offered. Many of the azaleas showed the effects of severe forcing. Cyclamens and primroses averaged far below the usual trade standard, and fern pans were, oftener than otherwise, filled with adiantums and other frail subjects entirely unsuited for use in the trying atmosphere of the dwelling house. Until the plant growers for the Boston market make a better showing than they did this year the Christmas cut flower trade is not likely to be dislodged from its position of pre-eminence. Not much attempt at display was to be seen in the florist's windows, palms, poinsettias and stock of similar character that would not require much attention or replenishing being most in evidence and a few bunches of holly and mistletoe suspended with scarlet ribbon overhead.

The fine residence of Arthur Newman at Brookline was destroyed by fire at 3 o'clock on the morning of December 24. Very little of the valuable furniture which it contained was saved. The fire is supposed to have been caused by an overheated furnace pipe.

J. Newman and Sons have their sign written in electric lights over the front of their store on Tremont street. It makes a very conspicuous object when lighted up at night.

J. T. Butterworth has been bringing in some well flowered Christmas roses. They are very appropriate and much liked for the holiday season.

The first freesias of the season appeared at George A. Sutherland's last week.

Visitors in town, Wm. Appleton, W. S. Hogg and Wm. Flanagan, Providence, R.I.

St. Louis.

MARKET REVIEW.—ROSES.—CARNATIONS.—TRADE NOTES.—THE BOWLING CLUB.

Christmas week closed with the dealers all satisfied, both in regard to prices and quantity of trade. It seems every grower held back his stock for not only a few days, but weeks, and the consequence was there was an unprecedented amount of stock shoved into this market at the last moment. Orders that were taken at top prices were quickly countermanded by the dealer, who is always ready to take advantage of any heavy receipts. The growers are largely to blame for this state of affairs. I have always advised them never to hold their stock too long; ship it in when it is ready to cut, accept the regular market prices, and in nine cases out of ten you will be ahead on the deal. All growers imagine that the dealer is very anxious for stock on Christmas day and will snap up most anything in the shape of flowers; in this the grower finds himself mistaken, for the dealer when he has a large quantity to select from only pays top prices for very select stock, and the balance is sacrificed at very low figures. The week following Christmas finds the dealer with lots of orders for balls, receptions, weddings, etc., and for the New Year's day they all say that orders are heavy.

Beauties are arriving this week in very limited quanties, and the stock generally very poor; Carnots always sell well if fancy; Brides and Bridesmaids are in liberal supply, and stock generally good; Meteors are still very poor and in big demand; Woottons are way off color and selling poorly; Perles are in good demand, stock, however, is not what it ought to be. California violets are selling well at good figures; the same may be said of double violets; single violets are getting more plentiful. Harrisii lilies sold well during the week. Callas are always in demand for funeral work. Narcissus and Romans are selling well. The demand for smilax has increased during the week. Carnations are beginning to appear more plentiful in this market. It seems the scarcity which has existed in our market up to Christmas has been noticed by the northern shippers, and as prices have always been at the top notch, they are beginning to send their stock to this market.

Geo. Waldbart, the popular Grand avenue florist, has been left very busy this week and reports a bigger trade than ever.

Fred. Ostertag, formerly of Ostertag Bros., has opened up a very fine establishment at 717 Vandeventer avenue. We wish you good luck Fred.

Mr. Herbert Heller, the hustling end of the South Park Floral Co., returned home this week after overseeing his big shipments, and some of the boys say a certain west end lady was the real cause of his stay here.

The bowling club had their regular bowl last Monday night, and a full house was present. Emil Schray was high man for three games with a score of 544; Chas. Kuehn second, 519; C. Beyer third, 503. High single score was made by E. Schray, 214; second, Frank Gillmore 199.

A. J. B.

WAYNESBORO, PA.—On Christmas morning we had the pleasure of seeing a clear yellow sport on our Kaiserin roses. Christmas trade was better than last season.

Philadelphia.

TRADE ALL RIGHT.—FLOWERING PLANTS SCARCE.—PRICES ABOUT SAME AS LAST YEAR.—POOR WEATHER.—WRAPPING TROUBLES STOREKEEPERS.—MILLIONAIRE ORCHID GROWERS OUT FOR CASH.

The Christmas of 1897 has come and gone and each can tell whether the trade came up to his expectations. So far as we can learn, the general opinion is that it was all right. Some men are jubilant and say it was the best Christmas they ever had, others wear a contented look and say it was quite up to former years while a few would like to have seen it a little better. There was not much new offered, probably a few more made up baskets of foliage and blooming plants, but nothing different in single pot plants. In fact flowering stock was quite scarce, there being but little variety and much of that not up to the mark. There was a great plenty of fine palms and ferns, and while they sold fairly, people seemed to want color. Jerusalem cherries sold very well, in fact we believe none were left. Ardisias were in good demand, but the stock would have gone better with just a little more finish to it; a few more berries and a better color would have moved them all. A well grown plant perfect in every respect is rarely left after such a rush as Christmas or Easter, but stock very nearly up to the mark is often seen standing unsold, becoming in the end a total loss. It is the polish of perfection that compels admiration. A little more care, a little attention at the right time would have put on the finish and moved the stock into the first class.

Flowers of nearly all kinds were scarce. We noticed very little pickled stock. Carnations had been hustled about so lively that they had no time to get sleepy, and there was scarcely enough to go around. Beauties were in great demand, the highest grade especially being sought for. In fact, there was but little of anything left unsold on Christmas morning, and many orders had to be filled with stock cut that day, prices were about the same as last year, Beauties selling from $25 to $100 per hundred. Teas of all kinds ranged from $8 to $20, a few specials bringing $25. Some Carnots sold as high as $30, and seemed to be worth it. Carnations worth looking at brought $3 to $4 while a few fancies sold from $6 to $8. The top price for violets was $2, except for a few extras for which $2.50 was demanded. Plenty, however, sold for $1.50 and some for $1, which was too much for them. California brought from 75 cents to $1.50 per hundred, the latter, some extras handled by Ed. Reid, were very fine. Valley was hardly up to the mark, and sold from $3 to $4, while some extras brought as much as $6. Hyacinths and narcissus moved lively at $3 to $4. Holly and other greens seemed to sell well, and most stocks were cleared up.

The weather for the week before had been very dull and cloudy, scarcely any sun and for two or three days previous, and Christmas day there was from 10 to 12 degrees of frost. One large grower said that although he had increased his plant the past season, he had not cut half as much as for last year's holiday trade. Another whose specialty is Meteors, said that $500 was a low estimate of what he had lost on account of the dull weather. The storekeepers had their own troubles, as everything had to be wrapped securely. This hinders prompt delivery at busy seasons. Several carloads and quantities by boat, of Southern needle pines were thrown on the market and sold on the streets at 10 cents each, three for 25 cents.

The December meeting of the Horticultural Society was graced by a fine collection of cypripediums from the Roebling collection at Trenton, N. J., Mr. Clinkaberry bringing them in in person.

John Burton's seedling white carnation, "Alba Superba," sold readily at $8 per hundred, about 600 of this charming novelty found their way to the retailers.

At the next regular meeting of the Florists' Club, which is to be held next Tuesday evening, Albert M. Herr is to deliver a paper on "The Newer Carnations." All who have any choice new varieties or well grown standard sorts are invited to forward them to Horticultural Hall, Broad street, to reach there not later than 7 o'clock Tuesday evening. Quite at interesting display is expected.

Most of the cattleyas which came into the Philadelphia market came from millionaire Twombly's conservatories, Madison, N. J. It will not be very long before all orchids grown for commercial cut flowers will be grown either by the retail florists themselves or by millionaires.

One of the innovations brought into play by the retailers was the use of coupes in delivering orders. Mr. Battles was the first one, we understand, to put this new move into operation. The weather was certainly very trying, and taxed the ingenuity of the retailers as well as the growers and wholesalers to get their flowers delivered on time and in good shape. K.

Cincinnati.

BUSINESS INCREASING.—PLANTS SELLING WELL.—DEATH OF KARL WOLF'S SON.—FRED. WALZ SICK.

Christmas is a thing of the past and the growers as well as store men are well pleased, having done a good business in their various lines. The storemen and wholesale houses report an increase of 25% over former years. The supply of roses was not equal to the heavy demand, many thousands could have been sold had they been available; it seems as though mostly all our leading growers were off crops. In carnations the supply and demand were well balanced, they reached all the way up from $2 to $5 per 100 with the exception of 1500 Evelinas which sold readily at $6. Violets came in on the home stretch, very few could be seen the first part of the week, but on Thursday and Friday morning several growers unloaded their stock and surprised the retailers. Valleys were in good demand and sold readily at $5 per 100; Romans $3 and narcissus brought $4 to $5.

Christmas green and holly was a drug on the market and sold at any price offered. Imported mistletoe was scarce, only a few of our Fourth street stores could afford to handle this expensive article; but southern or American mistletoe sold well, and more has been used than in former years.

The market was exceptionally dull, owing to the cold snap we had, and it was therefore very difficult to handle and dispose of plants. Several growers brought in small lots and report fairly good trade.

Hoffmeister Floral Co. had an extra store engaged for their Christmas greens and plants, while their regular store was replete with a full line of decorative plants and flowers. Miss Carrie Hoffmeister reports satisfactory business.

Mr. Karl Wolf, of Cumminsville, has our sympathy in the loss of his bright little boy, December 20.

Mr. Fred. Walz is on the sick list.

H. SCHWARZ.

Milwaukee.

CHRISTMAS TRADE SATISFACTORY.—PALMS AND FERNS SOLD WELL.—GREAT DEMAND FOR FLOWERING PLANTS, WITH SHORT SUPPLY.—MORE CHURCHES DECORATED.

The Christmas trade on the whole was quite satisfactory, but one has to take a general average of all reports to arrive at such a conclusion. Several retail dealers report increased sales to a gratifying extent, curtailed by their inability to procure more stock. There appears to have been no waste.

Palms and ferns sold well, but the demand for flowering pot plants could not be satisfied; it is impossible to estimate what could have been sold if the stores had had a supply such as is usual at Easter time.

The question of holding dormant stock over, as is done with valley, presents itself. Here is a field for enterprise.

Cold weather during the week made the delivering difficult, particularly for those who had decorations. The churches were more generally decorated than for the past two years.

One peculiar circumstance is noticeable this season in comparison with the past; that is the almost complete monopoly of Milwaukee trade by its own wholesale market. Years ago Chicago was our main dependence. A very small percentage comes from there now. Another feature is noticeable and may solve the "fakir" problem. Florists put holly and green on sidewalk and paid attention to the transient trade. It made the fakir less conspicuous. They really encroached upon what he considers his field of operations. If this is followed up the storekeeper may hold his own. C. B. W.

Syracuse, N. Y.

INCREASED TRADE.—DULL WEATHER PROMOTES IMPORTATIONS.—GREENS GO FREELY.—RED FLOWERS IN DEMAND.—GROWING PLANT TRADE.

Christmas trade has been very satisfactory. The majority of retailers report their trade as equal to that of last year, while some say an increase of from 5 to 15%. The weather of the week preceding Christmas was anything but favorable to the production of flowers, consequently import shipments were much larger than usual, which to use the remark of many, has taken lots of gilt off the gingerbread. Not a glimpse of the sun the whole week, and the temperature remained below the freezing point the whole time, culminating Friday evening with a temperature of 6° above zero and a strong northwest wind, causing the safe delivery of such flowering plants as lilies, azaleas and begonias to be carried on at serious disadvantage. Holly and other greens, with the exception of mistletoe, were of much better quality than usual, holly especially well berried and very green. But this is about all the good we can say about it, for this branch is not confined to the florists and seedsmen alone. This year, much more than formerly, the groceries and meat markets were well supplied on almost every hand, selling it at from 10 to 15 cents per pound, However, the florists managed to clear out at the little better figure of 25 cents per pound, and holly wreaths sold better than ever before at 50 cents to $1.50

each. There was but little call for ground pine and mixed wreaths.

The amount of flowers placed on sale was about equal to the demand, with the exception of Beauty roses and carnations, which were short, owing in a great measure to some shipments going astray. There was a very noticeable increased call for red flowers, such as red carnations (which were very short) and poinsettias, and also high grade American Beauties. The quality of all flowers other than roses was up to last year's standard, out-of-town roses being poorer, very weak stemmed and flowers soft. The general run of retail prices obtained were as follows: Beauty $9.00 to $18.00 per dozen, Maids, Brides, Mermets $3.00, Gontier Perle, Niphetos $2.00 to $2.50, Meteor $3.00 to $6.00, carnations 75 cents to $1.50, violets $3.00 per 100, valley, hyacinths and narcissus $1.00 per dozen, Harrisii and callas $3.00 dozen, and poinsettias $6.00 dozen heads. Smilax did not sell well for some reason, the demand being more for cut ferns and asparagus.

There is no doubt that nice flowering plants are gaining steadily in favor for Christmas time. An increase of 25% over last year was noted in this line, while palms and ferns sold about the same as last year. Some attribute the increase to the high price of cut flowers, but that is almost always the case at Christmastide. Others say they give more general satisfaction than cut flowers. Azaleas were the favorites, followed by cyclamens, lilies, primroses and cinerarias. The only plant that did not sell so well as formerly was Begonia incarnata. Unfortunately the weather is a very serious drawback with which we have to contend at this time of the year in this line. Careful and safe delivery is not only very expensive but takes a great deal of time papering and tying up. So far but very few complaints have been received of plants frozen or bruised. P. R. Quinlan & Co. had their store re-decorated in white and gold for the holidays, which, with the addition of more electric lights, gives it a very lively and attractive appearance. Their two windows were noteworthy, one arranged with white azaleas banked by Harrisii lilies, ground pine, and adiantum being used for ceiling and festooning, the other of red azaleas (var. Apollo) and well berried holly.

ALPHA.

Rochester, N. Y.

THE WEATHER.—BLOOMING PLANTS DECIDED FAVORITES.—FUNERAL WORK AND RECEPTIONS USING UP SURPLUS STOCK.

Christmas week started in quite mild and pleasant. We were in hopes that these conditions would prevail until the rush of business was over, but before the 22nd zero weather was upon us, with snow and high winds in the bargain. The severe cold snap lasted until about noon on the 25th, when the thermometer went up fast above the freezing point. It was not the ideal weather for plant or flower delivery, the utmost care in packing and wrapping would not prevent the freezing of a few packages in the many hundreds sent out. It is really miraculous that not more of them were damaged.

Our florists are well pleased, however, with their Christmas sales generally; some of them had laid in too generous a stock of cut flowers, but taking all in all, comparatively little was left over. Scarlet carnations were short in supply; nothing else was really scarce exactly, some mignonette and a lot of white roses remained unsold. Violets were in good demand, as usual, and perhaps a few thousand more could have been disposed of. Romans and Paper Whites were very plenty, so were stevia and white carnations. Roses, on the average, were not as good as we would wish them to be for the best trade. Prices obtained were fully as good as in past years, but varied considerable with the quality of the goods offered.

The plant trade would have been highly satisfactory to all if the wrapping and packing for delivery could have been done away with, much extra labor and precious time had to be expended on plants, thus lessening the original profits to some extent. Blooming plants were decided favorites this year, azaleas, poinsettias, begonias, cyclamens, stevia, hyacinths, lilies and primroses with a few well grown Bougainvillea Sanderiana and a limited number of good early cinerarias was about all offered here in this line. Quite a large number of ferneries in all sizes and shapes were sold, but the sales in palms were not as large as anticipated. Very large quantities of greens were used everywhere, more in fact than ever before, but there was a generous supply on hand; all were amply prepared for an increased demand, and plenty of good holly is yet stored in the commission house, owing to belated arrivals.

The weather now is quite moderate, between 20° and 30°. The week commenced with a good demand for funeral work, which gave an outlet to surplus stock of white flowers left over from the holidays. A number of receptions are also going on daily since Monday and the demand for flowers is unexpectedly brisk; for the end of the week several orders calling for more elaborate decorations are on the books of various firms, and New Year's week is likely to prove a profitable one for our florists. K.

Delaware, O.

Business here is improving. The writer on Christmas Eve met our genial florist, Mr. Joe Cunningham with a gallon of oysters in each hand for the supper of his extra help. There is no better fellow alive than Joe, as all his friends call him, certainly no more honest and reliable than he is. On Sunday forenoon I meandered up to Joe's plant, and being an old florist myself we like to compare notes and again I launched at Joe the question, "how is business?" "Well," said Joe, "of course we won't look over the books, as this is Sunday, but last night I went over them and I've done fairly well this Christmas;" and for once in 11 years, all the time I have known him, he acknowledged that business was good. I find that Joe is not the only florist that way. D. G.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1898 will receive on request, a coupon for one five line want "adv." free, to be used at any time during the year.

SITUATION WANTED—By an experienced grower, age 27; well up in roses, carnations, etc. etc.; highest references; single; wages $25 per month. Address GROWER, care American Florist.

SITUATION WANTED—By a German, first-class grower of roses, carnations, 'mums, violets; would like to change his present situation. Address GROWER 113, care American Florist, Chicago.

SITUATION WANTED—By a reliable, industrious young man in park or private place; single, 23 years of age, seven years' experience, good references. Address G, care American Florist, Chicago.

SITUATION WANTED—By an experienced grower of roses, carnations, 'mums, etc., to take charge of commercial place; age 27, single; strictly temperate; steady position. Address B, care American Florist.

SITUATION WANTED—By Scotchman, married, age 32, as gardener in first class private place; good practical experience in all branches; highest references. Address GARDENER, care American Florist.

SITUATION WANTED—By practical florist and designer as foreman; specialist in rose growing, carnations 'mums, violets; references, age 36 disengaged January 1st. State highest wages. Address G W., care 691 W. 9th st., Canton, Ohio.

SITUATION WANTED—One who has had some experience in decorating and filling designs; is a good harmonizer of colors; would like to perfect himself in that line, with a strictly up-to-date Eastern firm. Where can I find such a firm, and what will I have to pay for such knowledge. PENNA., care American Florist.

WANTED—First class rose grower; one capable of taking charge; one familiar with growing catalogue stock preferred; state wages expected. Address A B., care American Florist.

WANTED—Partner in Chicago, with $1,000 cash, to take half interest in well established, paying florist and greenhouse business; experienced man preferred. Address L F., care American Florist.

WANTED—Propagator of herbaceous plants in an eastern commercial place; one who has had some experience; give age, nationality, experience, reference, and wages expected. Address M T S., care American Florist.

FOR SALE—Greenhouse plant of 5,000 feet of glass in Jamestown, N. D.; price $1,500; ½ cash, balance may be paid in cut flowers. Address W. W. SEEKINS, 921 E 3rd St., Duluth, Minn.

BUSINESS OPPORTUNITY.

One of the most valuable florists' establishments in the Middle South, ½ interest for sale or will lease to an enterprising, wide awake business florist: 7 modern greenhouses, 25x150 ft., one 30x75 ft., three 20x50 ft., 75-foot violet house, iranzee, splendid windmill and watering facilities, packing sheds, office, 5 acres of splendid land for rose growing situated within easy access of Atlanta, Ga., on one of the most beautiful driveways of the city. Florist store in the Kimball House block with first-class facilities, and the best stand in the city; connections with several of the largest tourist hotels in Florida, with shipping trade in cut flowers started. This is an established business with unlimited opportunities for enlargement. Aside from the cut flower trade there is a large opening for building up a shipping trade in nursery-grown roses, which thrive and make more growth here in one year than in three seasons in the North. The owner has other large interests which occupy his whole time and wants a thorough-going man who has some means and an ambition to extend an already well established business in this exceptional field. This is not a broken down or failing establishment. The owner does not desire to sell out the greenhouses, but would dispose of an interest or lease, so that an enterprising florist would have such interest as would insure his exclusive application to maintaining the high character of the present business and working for its extension. Address JOS. THOMPSON, Atlanta, Ga.

WANTED

A man to take charge of a fine cemetery, married, small family, English; work in greenhouse in winter; nice house to live in and 1 acre of garden; a steady place, with set wages to right man. Address

THE MORRIS FLORAL CO., Morris, Illinois.

For Sale or Trade.

Or will rent to responsible party on long time. The greenhouses all stocked, heated with hot water, containing 4000 feet of glass, gas, water, electric light, sewer connections, hydrants through houses and yards, and stable connected with store which has fine cellar with five living rooms in second story, on one of the main thoroughfares in heart of city; electric cars at door connect with all parts of the city. Address

S. J. SMITH,
21 E. Lee Street, Lawrence, Kan.

FOR SALE.

At less than half its cost, or for rent, about 28,000 square feet of glass with grounds and modern 12-room dwelling, built a year and a half ago; greenhouse nearly new, all heated by steam, well stocked and in good order; located on street car lines between St. Paul and Minneapolis, and a well paying wholesale business established. A splendid opportunity for a good live man. Sale price, $10,000; rent $150 per month. If you mean business, address CHRIST HANSON, St. Paul, Minn.

FOR SALE.

Greenhouses in one of the best cities in Wisconsin. A good investment and a money maker for a hustler. Owner must retire on account of poor health

For particulars write **ELLIS & POLLWORTH,** Milwaukee, Wis.

Philadelphia Holiday Markets from the Growers' Standpoint.

Crops of flowers were lighter this Christmas than was expected by the growers, especially those of a higher class, such as American Beauty among roses and cattleyas among orchids. Crops of choice flowers are generally light for Christmas. What made it somewhat worse for the grower was on the Thursday preceding Christmas a very heavy northwest wind blew a gale with the outside thermometers registering 14° to 15° above zero. This shortened the crops very perceptibly. This fact perhaps had its effect upon the retailer for he would give the grower no peace nor rest, ordering large quantities of the choicest flowers and endeavoring to exact promises for given quantities for the treble X stock. Who can blame them? They would not be so anxious if these choice gifts of nature and developments of skill and care could be produced at will, or stored away and brought out in any quantity at a given time like kegs of nails!

We all realize the hardships of the retailer at Christmas and Easter, but does the retailer ever give the grower a passing kind thought? Apparently not. It may seem foolish and unnecessary, but there was many a grower who did not sleep a wink during Thursday and Friday nights; what with the high wind and cool weather and the anxiety to give every retailer all he had ordered and to get it to him just when wanted to the minute in good shape, was a strain of which even the retailer apparently has not the slightest conception.

This is a mutual business; the grower and retailer are each necessary to the other, but the methods brought to bear upon the grower at certain seasons of the year by the retailer would indicate that they were natural enemies and each must of necessity be antagonists. The grower is frequently, and with truth sometimes, accused of bringing in to the retailer on the morning before Christmas what he chooses to designate "pickled" stuff. The retailers are largely responsible for this state of affairs. They need probably ten times as many choice flowers on the day before Christmas as they do on any other day, excepting, of course, at Easter, and they appear to think and act as though all that the grower had to do was to touch a button, or wave a wand, and presto! Cattleyas by the bushel and Beauties by the mile would magically appear ad libitum ad infinitum.

A fact to be deplored among some of the store keepers is that no matter how well they may have been served at Christmas time, they will without ceremony turn the grower down a few days after and justify themselves in the action by unjustly complaining about the prices. Retailers guilty of such practices are spotted, and may rest assured that there is a hereafter, and there will surely come a time when the grower may with justice retaliate. The philosophy of reciprocity can never be put into practice with more satisfactory results than among the retailers and wholesalers and growers of flowers.

American Beauty, fancies, brought readily $100 per 100 wholesale, and were as good as we ever had here before at Christmas time. Some that were brought in from other centers were not so good as the home grown product at the same price. Cattleyas were bought at $40 to $50 per hundred; most of these came from out of town. Unfortunately some shipments from a distance were frozen and utterly ruined. Whether the grower, the retailer, or the express company will stand this loss is problematical; the grower generally has to pocket these losses. Cypripedium insigne could be had in any quanty, the highest price paid was $15 per hundred. The wise retailer used these wherever practicable, associated with "Romans" and "Valley," and a dash of green, were easily and quickly put up in boxes, gave satisfaction and the profits would be made according to the conscience of the dealer. This class of flowers are a great help at Christmas, because there is hardly any limit to the quantity which may be produced, and the wholesale price is very reasonable.

The ever popular Bridesmaid was in evidence in large quantity and the quality was first-class. Meteor also came in for its share of calls, and the prices were $25 per hundred for the best. There was not enough Carnot to cut any figure at these holiday times. It will hardly pay the grower at the tea rose prices. The only way for the grower to realize a profit from this rose is to send in only the select buds, destroy all the poor ones and work up a fancy trade at remunerative prices, otherwise it will have to be dropped. L.

Providence, R. I.

Your correspondent stopped at one of the evergreen stands down town, and while there a well dressed lady, who was looking at some very nice laurel wreaths, full two feet in diameter and well made, the selling price was 25 cents. She ventured to ask if he would sell four for 50 cents. On being refused she did not purchase.

Messrs. Butcher, Johnston and Rennie have resumed their stations after their illness.

Christmas is now over and we are getting things into line for the next call. On the whole trade was quite satisfactory. Roses were a little off, but the price compared with the quality, $2 per dozen was about the price for fair stock; selected brought $3. Carnations sold for 50 cents per dozen, and from that to $1 for real choice varieties. Scarlets and reds sold at sight and were quickly disposed of, while white varieties seemed to hang fire, and many of us had a fair stock left over. Violets were a little in excess of the demand, but brought good prices, $2 per hundred. Mignonette and bouvardia sold well. M. J. Leach, of Pawtucket, has the credit of marketing the only Harrisii lilies, which, by the way, were well grown.

Geo. Kelley and Mr. Miller, of the Rhode Island greenhouses, had the cream of azalea plants. Other dealers were a little tardy with theirs; they sold well. Other small pot plants, such as primroses and cyclamens, found ready market, while larger plants of palms, etc., seemed to go a little slow. About $1 seemed to be the size of the limit of capital to be invested, although there were some exceptions to this rule. There is an increasing demand for Christmas ferns and all good holly was cleaned up, and some were obliged to order by telegraph to New York, as the markets here were exhausted. If holly dealers would grade their stock and charge a fair price for No. 1 goods, and sell their inferior stock at a low figure, it would give much better satisfaction, as well as saving many hard words and lots of "kicking."

Good fortune favored us on Christmas day, as the weather moderated decidedly from the day previous, which enabled us to deliver plants and flowers with less liability of freezing, thus avoiding the experiences of last year. LITTLE RHODY.

John Conley & Son,

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TIN FOIL

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This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1⅛ or 2-inch size, per 100, $2.00.
Script Letters $4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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GOOD PLANTS, $2.50 per 1000, or $1.50 per 500.
LARGE PLANTS, $4.00 per 1000, or $2.50 per 500.
BLOOMING PLANTS, $1.50 per 100.
SEED, as usual. CASH WITH ORDER.

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Nice Plants, at $3 50 per 1000.
Cash with order.....

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200,000 in cold frames of the Jennings finest strains; all extra No. 1 plants; large size, ready to bloom. $5.00 per 1000; extra medium size for cold frames, $4.00 per 1000. Extra 75c per 100 by mail.

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Cash with order. E. B. JENNINGS,
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Grower of the finest Pansies.

Musa Ensete, 500 Kilogs.

Fresh Seed; new and direct importations, $4 per 1000; $36 per 10,000.

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20 per cent. discount to those announcing this novelty in their catalogues; also electrotype furnished free. Ask for price list and description.

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All Florists' Supplies.

19 & 21 RANDOLPH STREET,

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HEADQUARTERS FOR AMERICAN BEAUTIES.

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Telephone Main 3208. **CHICAGO.**

Prompt Attention to all Orders.

REINBERG BROS.

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500,000 FEET OF CLASS.

We can fill all orders on short notice with all leading varieties of Roses and Carnations.

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CHICAGO, Dec. 31.

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" Meteors, La France	6.00@10.00
" Perle, Gontiers	4.00@ 6.00
Carnations, common	2.00@ 3.00
" fancy	4.00@ 6.00
Violets	1.00@ 2.00
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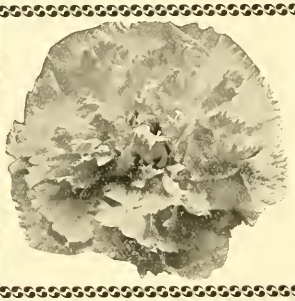
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CHOICE CUT FLOWERS.

Roses in variety.

Carnations ...IN THIS MARKET. THE BEST

GENERAL LINE OF SHIPPING FLOWERS.

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GROWERS and WHOLESALE DEALERS in **CUT FLOWERS,**

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NEW YORK, Dec. 30.

Roses, Beauty	15.00@75.00
" Bridesmaid, Meteor	4.00@12.00
" Testout, Carnot	4.00@12.00
" Morgan, Cusin, Brides	4.00@ 8.00
Carnations	1.50@ 2.00
" fancy	2.50@ 4.00
Valley	2.00@ 4.00
Violets	1.00@ 1.50
Harrisii	10.00@12.00
Hyacinths, narcissus	.75@ 2.00
Adiantum	.50@ 1.00
Smilax	8.00@10.00

BOSTON, Dec. 30.

Roses Beauties	25.00@75.00
" Perle, Niphetos	4.00@ 6.00
" Bride, Bridesmaid, Meteor	6.00@12.00
" Carnot	8.00@12.00
Carnations, ordinary	2.00@ 3.00
" fancy stock	3.00@ 4.00
Valley	2.00@ 4.00
Violets	1.00@ 1.25
Hyacinths, narcissus	1.00@ 3.00
Harrisii, callas	12.00@16.00

PHILADELPHIA, Dec. 30.

Roses, Beauties	25.00@75.00
" Teas, firsts	12.00@15.00
" " seconds	6.00@12.00
Carnations	2.00@ 4.00
Valley	3.00@ 4.00
Violets	.75@ 1.50
Narcissus	2.50@ 3.00
Hyacinths	2.00@ 3.00
Harrisii	10.00@12.00
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Special Attention Given to Shipping Orders.

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Wholesale Florists

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Asparagus Plumosus Nanus.

Strings 8 to 10 feet long,

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

THE AMERICAN FLORIST wishes to hear from its readers. Tell us what you like about the paper—tell us what you do not like about it—if there is anything. Let us know what you would like to have in its pages. If you have anything new send it along. If anything of interest occurs in your town write to us. Whatever interests you interests THE AMERICAN FLORIST. If you can write more readily in German, Swedish, French or any other language, do so; we can read and translate it. We may not always be able to publish your letter, but if you send us your name and address (this will not be published if you say so) we can write to you. If you wish information on any subject, your questions will be answered by the best specialists in the country. Do not forget to say, "saw your advertisement in THE AMERICAN FLORIST," when corresponding with advertisers.

OWING to the increased number of pages, and increased circulation of this paper, advertisers who are desirous of making changes or sending in new copy for their advertisements would confer a favor on the management by seeing that the same reaches this office not later than Wednesday morning of the week in the issue of which their insertion is desired. The great amount of work entailed in maintaining the standard of excellence which has made the AMERICAN FLORIST famous renders the above request necessary.

W. A. McFADDEN.

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Producers and Shippers of every description of High Class Floral Supplies.

Cattleya. **Orchids.** Cypripedium.

Quotations issued weekly, forwarded on request.



Wholesale Flower Markets

CINCINNATI, Dec. 30.

Roses, Beauty select	75.00@100.00
" medium	50.00
" Brides	8.00@10.00
" Bridesmaids	10.00@12.00
" Meteors	12.00@15.00
" Peries	6.00@ 8.00
Carnations	2.00@ 3.00
" fancy	4.00@ 6.00
Valley	5.00
Romans	3.00@ 4.00
Narcissus	4.00@ 5.00
Violets	2.00
Poinsettias	25.00
Smilax	12.50@15.00
Adiantums	1.00
Asparagus	50.00

ST. LOUIS, Dec. 30.

Roses Beauties	15.00@50.00
" Meteors	5.00@ 8.00
" Brides, Bridesmaids	5.00@ 8.00
" Kaiserin	3.00@ 4.00
" Wootton	3.00@ 5.00
Carnations	3.00@ 4.00
Violets, California	1.50@ 2.00
" single	75
" double	1.50
Harrisii, Callas	12.50
Narcissus	2.00@ 3.00
Mignonette	4.00@ 5.00
Stevia	1.00

BUFFALO, Dec 30.

Roses, Beauties	25.00@100.00
" Brides Bridesmaids, Meteors	8.00@15.00
" Mermets	8.00@15.00
" Niphetos	6.00@10.00
" Kaiserin	12.00@20.00
Carnations extra	3.00@ 5.00
" ordinary	1.50@ 2.00
Valley	3.00@ 4.00
Violets	1.50@ 2.00
Mignonette	4.00@ 5.00
Romans	3.00@ 4.00
Harrisii	15.00@20.00
Smilax	15.00
Adiantum	1.25@ 1.50

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Fresh Cut Flowers, Florists' Supplies
Manufacturers of WIRE DESIGNS
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122 W. 25th St, NEW YORK CITY.

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The largest and finest stock of white doves on earth.
Write for prices.



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See that my signature is stamped on every dove.

When writing mention American Florist.

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DAYTON, OHIO.

Cleveland.

THE WEATHER.—CARNATIONS SOLD WELL, ROSES SLOWLY.—INCREASED CALL FOR POT PLANTS.—BUSINESS REPORTED BETTER.—DECORATIONS AT THE UNION LEAGUE CLUB BALL.

The weather clerk never could have selected from his varied stock of weather for all occasions a more miserable article than that shoved off on the florists for use on the Thursday preceding Christmas. It could not possibly by any stretch of toleration, have been graded higher than the very worst of job lot culls. The wind blew out of the northwest all day with the velocity of a blizzard. The temperature, low enough in all conscience to start with, kept descending until we had about twenty degrees of frost in addition to the high wind, and then to crown all, the snow fell in sheets, rendering the use of delivery wagons on the ice coated streets the hardest and most dangerous of work for horse flesh. Oh, it was fine! On Friday the wind died down, but the cold stayed right with us and every plant, excepting with those who preferred the excitement of rushing wildly for shelter every time they jerked one out of their wagons, had to be carefully overcoated for the occasion. Having the wagons out for long periods of time, with the doors constantly being opened, added greatly to the hazardous character of flower delivering. Friday night the thermometer fell to within three or four degrees of zero, but the weather cleared off beautifully, so that Saturday the temperature rose rapidly, and by about the time that we didn't need to care a tinker's objurgation how hard it snowed, blew or froze, the weather had become almost ideal—or at least as nearly as it ever attains to that point in Cleveland during the winter season.

There had been a constant impression current for a long time that flowers would be short in supply, more especially carnations, and this impression was justified by the outcome Carnations in the stores, with only one or two exceptions, were sold out in nearly every instance early in the day. They were far and away ahead of other flowers in the popular estimation and sold at fully as good prices as in any former year, in some instances, bringing more. At a wholesale rate of 3 to 4 cents for ordinary stock, however, there was a necessity for at least as high a rate as usual to allow the retailer any margin.

Roses have been variously reported. With some they were in good demand and sold well. Others found them to go but slowly, and then only by reason of the dearth of anything else. The high price was ordinarily assigned as a reason for this. American Beauties were rather short, some lots shipped in being frozen when received. A good many were off color and sold poorly in consequence. Good ones seem to have sold very well.

Violets seem to have been in sufficient supply with all but one or two stores, and usually sold in a satisfactory manner.

Orchids were not very much in evidence and what there were to be had sold as a rule.

Bulb stock was practically confined to Paper White narcissus and Roman hyacinths which sold about the same as usual, both in quantity and price. They have a place for filling in in discretionary orders or for mixed flowers, and cannot be dispensed with, although there is no money in handling them and there is only a comparatively slight call for them for their own sake.

The most noticeable feature—and in this there is absolute unanimity in the reports—was the increase in the call for pot plants of all sorts, although as would naturally be supposed, blooming plants were much in the lead as compared with palms and other foliage plants. Azaleas were much the most popular plants that were offered. They sold well in all the sizes that were offered, being mostly plants that retailed at from $1.50 or $2 up to about $6. Cyclamens and primulas, begonias in variety and poinsettias also sold very well. Outside of palms, pandanus Veitchii and utilis, araucarias and Otaheite oranges were offered for the consideration of the buying public.

Business has been generally reported as considerably better than in former years, with prices as a whole not varying a great deal, increase being usually estimated at from ten to twenty-five per cent. In nearly every instance when inquiry was made, it was found that good stock was sold out, although, of course, where there was considerable variety offered, it would naturally be found that there would be some small surplus in some few things, but not enough to be a serious matter.

Smith & Fetters secured the decorations for the annual ball of the Union League Club, one of the important social functions of the season. A great deal of work is connected with the contract, which was carried out very nicely in every way. A good deal of holly, laurel, wild smilax went into the work, especially for wall decorating and garlands overhead. One of the prettiest rooms was one used for dancing. The color scheme of the room is in white and gold and lent itself for that reason to a very effective and artistic decoration. The huge mantel was decorated with palms and vases of Harrisii lilies, with a generous allowance of Meteor roses which were beautifully contrasted with the yellow, white and green of the room itself and the subordinate decorations. White azaleas were also used very effectively in the work. The president's reception room had La France roses for the principal feature of the mantel and Bridesmaid roses elsewhere. Throughout the entire lower floor palms were used in profusion. In the dining room upstairs no attempt had been made at elaboration of decoration, everything in that line being confined to simple flat decorations or informally arranged tall vases of roses in different varieties.

A.

SOUTH MANCHESTER, CONN.—The greenhouse owned by K. D. Cheney has been torn down.

LANCASTER, PA.—James Scott, a traveling agent for S. D. Willard & Co., of Geneva, N. Y., was killed by a train on the Quarryville R. R. on the evening of December 22. It is supposed that he attempted to board the train while it was in motion and fell under the ears.



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Seasonable Specialties:

CYCAS WREATHS. MOSS WREATHS.

FERNERIES AND JARDINIERES:

Norman Style in Sprays, Tinted and Delft.
Tuscan, in Sprays, Tinted and Delft.
Milan, in Sprays.

OUR LEADING NOVELTY:

LACE VIOLET HANDKERCHIEFS.

Wheat Sheaves and Immortelles.

The largest and best stock in America.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

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BRILLIANT GREEN AND BRONZE

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Cut Flowers AND Florists' Supplies

WHOLESALE ONLY.

1709 Curtis Street, DENVER, COLO.

The dry climate of Colorado enables our growers to grow the best Carnations on earth.

We hand e 75 per cent of the Carnations grown in Colo.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

Cut Smilax

15 cts. PER STRING.

RED PRIMROSES, 3-inch pots, $4.00 per hundred.

THE NATIONAL PLANT CO., Dayton, O.

Mention American Florist.

M. RICE & CO.

Importers and Manufacturers of

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FALL CATALOGUE NOW READY.

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AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

A LONDON LETTER of December 15 reports seed trade dull in common with other general lines of business.

SEVERAL LILY GROWERS in Bermuda are reported to have injured their planting stock of bulbs by immersing them in a solution of corosive sublimate. Much of this stock has since rotted.

HOLLAND GROWERS, December 15, predict that hyacinth prices will be higher next season. Tulips will be as cheap or cheaper. Narcissus Von Sion and N. ornatus may advance slightly. Other miscellaneous sorts which have generally sold well this year will hold their own. The future of the bulb trade is encouraging.

IN FLOWER SEEDS, cobæa is short, phlox higher, nasturtium more plenty, marigold scarce, smilax short, asters will advance from first quotations.

Greenhouse Building.

Highland, N. Y.—J. W. Feeter, one propagating house.

Keene, N. H.—Ellis Bros., one commercial house 25x50.

Portland, Me.—Frank Dudley, one conservatory.

Rahway, N. J.—Wm. Saling, range of commercial houses.

Newport, R. I.

Business the past Christmas was not as good as previous years. Roses and carnations were scarce. In pot plants hyacinths, primroses, azaleas, cyclamens, were for sale with little demand. Holly wreaths tied with large bows of red ribbon and wreaths of same material with star of immortelle set in their center found ready sale. Palms and rubbers were in little demand.

Carl Jurgens on the 24th inst. shipped 26,000 valley. He has at present growing on benches about 145,000. The orders he received for roses at Christmas far exceeded his supply. Mr. Jurgens has apparently soured on smilax and has taken up the growing of asparagus. Beauties grown on solid beds on his place have been very productive and given much satisfaction.

Mr. Arthur Griffin, late gardener for J. J. Van Alen has gone to Long Island.

J. J. BUTLER.

New Orleans.

As is often the case, we are at the end of December without having had frost heavy enough to have killed any plants in our gardens. The consequence is we have an abundance of roses, heliotropes, geraniums, violets and the like. Still the market plants do not sell very much yet, and it will be the same for about another month at least. Roses in pots sell well, but we regret to notice a new departure in raising roses in too large quantities for the market and offering them at too low a price. This way of treating roses as cabbages will not benefit the trade. It may be well enough for a grower to raise in quantities if it be to ship his stuff away, but when he works to glut his own market he is making a mistake.

M. M. L.

E. F. C. YOUNG, Pres. V. P. SNYDER, Vice-Pres.
JOS. D BEDLE, Sec'y. R. S. FOWLER, Treas.
S. M. PEASE, Gen'l Mgr.

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JOBBERS IN SEEDS.

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CHOICE SEEDS.

VERBENA GRANDIFLORA.

This improved strain of Mammoth Verbenas gives perfect satisfaction to my many customers, and is justly claimed to be the finest in cultivation; florets and trusses of extra large size, all the finest colors.

CYCLAMEN GIGANTEUM.

A magnificent collection of the finest giant-flowering varieties, largest flowers, best colors, 50 seeds to pkt.

PETUNIA GRAND FIM. FL. PL.

The largest and finest strain of double-fringed and mottled Petunias to be had. Extra. All the above are of the very finest, carefully grown.

Each, per trade pkt., 25c.; 3 pkts., 60c.; 6 pkts., $1.00. A pkt. of the new compact Alyssum to every order.

JOHN F. RUPP, Shiremanstown, Pa.

THE BEST FOR ALL Florists' — "ROSE LEAF" EXTRACT OF TOBACCO INSECTICIDE — FOR SALE BY SEED STORES. FOR FREE PAMPHLET WRITE TO LOUISVILLE SPIRIT CURED TOBACCO CO. LOUISVILLE KY

OSCAR KNOPFF & CO.

SEED GROWERS,

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M. RUTTENAU, 15 to 25 Whitehall St., New York.

Trade Catalogues and estimates cheerfully furnished. Orders promptly filled direct from nurseries at Erfurt.

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Made from VIRGIN NIGHT SOIL by steam process—NOT Adulterated. Complete Fertilizer. Soluble, quick in action. Combines all the Elements for Nutrition of Plants. Pleasant to handle.

STANDARD FERTILIZER CO. Inc.

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IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS—ENDORSED BY PROMINENT FLORISTS—USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT—200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN—CIRCULAR FREE—

SKABCURA DIP CO. CHICAGO.

Kill AND SAVE THE BLOOMS Bugs!

QUICKLY DOES IT.

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Grass Seeds

For Parks, Tennis Courts, Lawns, &c. In fancy 1 and 2 pound packages and bulk.

W. & D's. "SURE CROP"

MUSHROOM SPAWN

Hyacinths, Tulips, Narcissus, &c., &c.

SPECIAL PRICES TO CLEAR.

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BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

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Send for quotations on all Florists' Bulb Stock.

ESTABLISHED 1838 — DREER'S SEEDS — FRESH & RELIABLE

TRY DREER'S GARDEN SEEDS,

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER, Philadelphia, Pa

Mention American Florist.

PALM Seed. FRESH ON HAND

	per 100	1000	3000
COCOS WEDDELIANA . .	$1.25	$10.00	$27.50
MUSA ENSETE . .	1.25	10.00	27.50

J. L. SCHILLER,

404 E. 34th St., NEW YORK CITY.

August Rölker & Sons,

Spring Bulbs, Florists' Supplies, **SEEDS**

Our new Seed Catalogue is out, containing a list of selected Novelties in Seeds and Spring Bulbs. If not received, write for a copy.

52 Dey Street, NEW YORK.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,

Lock Box 1528. BOSTON, MASS.

Correspondence solicited.

EXTRA CHOICE FLOWER SEEDS.

List free on application.

FRED. ROEMER, Seed Grower,

" " Quedlinburg, Germany.

Northampton, Mass.

Florists all report a big trade and say that they could have sold double the amount if they could have obtained it. Roses were the slowest sellers, owing to the high prices, but none were left over; Romans were in good supply and sold well; valley not over plentiful; violets were extra good and sold quickly; Paper Whites are not largely used here, but the rather limited supply was all disposed of at good prices; the flower for which every one asked was the carnation, of which the supply was not large, and orders were refused for them after Wednesday; undoubtedly double the amount received could have been sold. Holly sold well, although some was of rather poor quality; mistletoe was good but did not meet with large sales, most buyers preferring the red of the holly.

In potted plants the supply was limited to palms, ferns, primulas, cyclamen and a few azaleas and marguerites, also a few foliage plants. Everything in bloom met with ready sale and a goodly number of palms and ferns were also disposed of.

The severe weather made the delivery of plants rather hard, but by the use of plenty of wrapping material and quick time in transit all were safely delivered

G. W. THORNLEY.

Des Moines, Ia.

Christmas trade was not as satisfactory as formerly, owing to a shortage of flowers, and as a result much of the stock that was handled was shipped, and the prices were far too high for any profit. There was a larger demand for plants in bloom than formerly, and good palms found a ready sale; also plumosa in pots.

The people will not tolerate extortion in prices, and the sooner the wholesaler and retailer understand this the better for all. High prices in cut flowers aided in selling plants.

Holly and greens were too plentiful for any florist to sell much. Groceries, ten-cent stores, hardware and wall paper houses had it. In fact one grocer had two cases of holly from a wholesale florist that many of our retail florists are in the habit of patronizing.

We are not anticipating much of a New Year trade, as our people do not patronize the florist very extensively at that date.

J. T. D. F.

BRYAN, O.—Trade for Christmas was the best we have had in several years. Plants, palms, ferns, cyclamen and primroses being in the lead; smilax sold well.

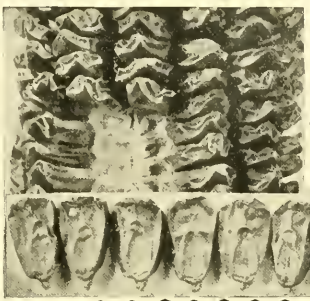
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Centaurea Candidissima, oz., $1.00; 1000 seeds, 25c.
Centaurea Cymnocarpa, oz. 50c.; trade pkt., 10c.
Clematis Paniculata, oz. $1.00; trade pkt., 20c.
Cobæa Scandens, oz., 30c ; trade pkt., 10c.
Lobelia Speciosa, ¼ oz., 25c.; trade pkt., 10c.
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Lobelia Crystal Palace Compacta, ⅛ oz., 50c.; trade pkt., 25c.
Maurandya, mixed, trade pkt., 20c.
Mignonette, Allen's Defiance, oz., 75c.; trade pkt., 15c.
Mignonette, Machet, true, oz , 50c ; trade pkt., 10c.
Oxalis Tropeoloides, trade pkt., 25c.
Petunia, "Vaughan's Best" mixture large flowering sorts, pkt. 50c.
Petunia, double large flowering mixed, trade pkt., $1.00.
Pyrethrum Colden Feather, ¼ oz . 20c.; trade pkt . 10c.
Salvia Splendens, oz , $1.25; ¼ oz., 40c.; trade pkt., 25c.
Salvia Splendens, Clara Beeman, oz., $2 50; trade pkt., 25c.
Stocks, large flowering dwarf German, ten weeks, white, pink, crimson, blood-red, light blue, dark blue, canary-yellow, each per ⅛ oz., 40c ; trade pkt., 25c.
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White Perfection, (Princess Alice) ⅛ oz., 50c.; pkt. 25c.
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Mammoth, purple or striped, each, trade pkt., 25c.

"Vaughan's Best" Mixture, includes all above and others, oz., $2.00, ¼ oz., 55c.; pkt., 25c.

Ten per cent. Discount on $2.00 worth and over for cash with order.

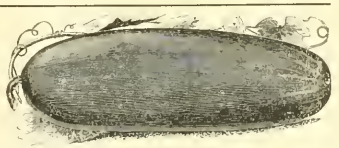
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FOR FLORISTS.
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.. Emerald
.. Cucumber.



Is exactly what has been lacking for hothouse and hotbed use. Dark green.
PRICE (postpaid)—Packet, 10c; 3 pkts. 25c; 15 pkts. for $1.00 The Catalogue Trade is invited to list this variety. Terms on application.
A. W. LIVINGSTON'S SONS,
....COLUMBUS, O.

Buffalo, N. Y.

INCREASED DEMAND FOR POT PLANTS.—"OLD FASHIONED" WEATHER.—BOTANIC GARDEN CONSERVATORIES.—RHODODENDRONS FROM SEED.

Christmas, with its joys and surprises, rush and worry, is over, and it is the concensus of opinion that the business was fully up to the average of previous years, notwithstanding the recent opening of several new stores. Wholesale prices were, as usual, high, and undoubtedly this tended to keep sales down. Particularly was this true in the case of double violets, for the supply in sight was small, yet the prices were so great that there seems to have been enough stock to cover the money offered. A noticeable feature this year was the increased demand for pot plants for presents; the supply of medium priced flowering plants being insufficient to meet the demand. There is always a good call for medium priced plants in bloom, ranging in price from 75 cents to $2. Chinese primroses, cyclamens, begonias, poinsettias, etc., sold rapidly. Azaleas also sold well, but fruiting oranges do not seem to have moved so freely. We undoubtedly need a greater variety as well as a larger number of flowering plants at this time.

I am told that the business began earlier in the week than usual, but this does not seem to have relieved the final rush to any great extent.

The weather was classified as "old-fashioned," and necessitated careful wrapping to withstand the cold. However, we are generally prepared for cold about this time and I do not hear of much loss by frost. There was probably some damage to plants by hasty packing.

It is a relief to turn from the emptied houses of the commercial men, to the conservatories of the Botanic Garden which are now bright with the usual display of seasonable plants. The display of orchids here though small, is very creditable, and the show of cattleyas, calanthes, lælias, odontoglots and oncidiums is good. At present there are some remarkably good plants of Lælia autumnalis atrorubens in bloom. The sprays are very strong and carry from seven to ten blooms. Of course there is the usual collection of botanical species that are hardly showy enough for the trade. The cyclamens are not yet at their best, but are beginning to be quite conspicuous. I counted the blooms on a 6, 7 and 9-inch pot, and found respectively 67, 90 and 102 wide open flowers. These plants are still loaded with buds and will be a sight in two or three weeks. There are also in bloom a fine lot of cinerarias, heaths, reinwardtias, primroses, both Chinese and obconica, as well as Forbesii, floribunda, etc.

Some very fine forms and colors of obconica grandiflora rosea fimbriata and cristata are to be seen.

Apropos of an article in a recent issue of the FLORIST on growing rhododendrons from seed in this country, I may add that in the garden can be seen a beautiful lot of fine bushy plants of Sinensis indicum and mucronatum, that were grown by that prince of propagators, Jackson Dawson, of the Arnold Arboretum. No better plants could be imported.

C.

JOLIET, ILL.—Christmas trade has been good, fully up to former years. The last few days of sunny weather brought out stock in good shape. The only kick is having to compete with the large grocery stores. HARTSHORNE.



Good VALLEY is scarce—of the ordinary there's an abundance!

HOW'S THIS?

VALLEY PIPS. Watson's Best Berlin. $12.00 per 1000. These are the very finest selection of 3 year pips, all large and uniform in size and carefully packed. Quality unsurpassed. I will sell in unbroken cases (2500) @ $11.50 per 1000; cash.

SPIRÆA JAPONICA; large clumps, well budded. $4.00 per 100.

SPIRÆA ASTILBOIDES FLORIBUNDA; extra fine clumps. $5.50 per 100.

TOBACCO STEMS. (absolutely fresh). $8.00 per ton. Half ton lots at same rate; baled and delivered to depot.

WATSON'S BONE MEAL—Strictly Pure—(for florists). $30.00 per ton. Half ton lots at same rates; f. o. b. Phila.

George C. Watson, PHILADELPHIA, PA. .....Juniper below Walnut.

FORCING

	PER 100
SPIRAEA ASTILBOIDES FLORIBUNDA,	$6.00
SPIRAEA MULTIFLORA COMPACTA,	6.00

Orders entered now for Spring delivery—for H. P. Roses, Clematis, Magnolias, Tree Roses, Hardy Azaleas, etc.

Branch of the Horticultural Co. Boskoop, Holland.

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PRIMULA CHINENSIS, 2-inch pots ..... $2.50 per 100, $20.00 per 1000

PRIMULA, transplanted seedlings, from flats $1.50 per 100.

FERNS, 3-inch pots ..... $5.00 per 100

CARNATIONS. Field grown Lizzie McGowan and Scott. Write for prices.

VIOLETS. Marie Louise, strong field grown. Write for prices.

HYDRANGEA HORTENSIS, rooted cuttings ..... $2.00 per 100

SWAINSONA ..... $2.00 per 100

ABUTILON Souvenir de Bonn and Golden Fleece ... $3.00 per 100

GERANIUMS. Rooted cuttings ..... $1.50 per 100, $12.00 per 1000

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The Cottage Gardens QUEENS, L. I.

Specialties in CARNATIONS, CHRYSANTHEMUMS, CANNAS, GERANIUMS, DAHLIAS.

SEND FOR OUR PRICE LIST

GLADIOLUS.

	Per 100	Per 1000
White and Light, florists' mixture	$1.00	$7.50
Pink	1.00	7.00
Pink, second size	.75	5.00
Assorted	.75	5.00

DAHLIAS. Best for Florists' use

Separate Colors $1.25 $8.00

Cash or references. WM. A. FINGER, Hicksville, L. I.

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Strong plants AERVA SANGUINEA, $5.00 per 100.

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Bargains in Bulbs

	Per 1000
Roman Hyacinths, 11-12 ctm.	$12.00
" " 12-15 ctm.	17.50
Single Dutch Bedding Hyacinths, in sept. colors.	20.00
" " Forcing "	23.00
" " Named " In sorts, 2nd size	30.00
" " " " 1st size,	45.00
Lilium Longiflorum, Japan, 6-8 inch.	18.00
" " " 7-9 inch.	35.00
Narcissus Trumpet Von Sion	9.00
" " Princeps	7.00

CASH WITH ORDER.

HULSEBOSCH BROS. ENGLEWOOD, N. J.

Not a New Thing....

But a standard Reference Book for Florists, Nurserymen and Seedsmen of the United States and Canada. We are now busy with the sixth edition.

AMERICAN FLORIST COMPANY. 324 Dearborn Street, Chicago.

St. Paul, Minn.

CHRISTMAS TRADE REVIEW. — RETAIL PRICES.—'MUMS STILL USEFUL.—INCREASE OF BUSINESS.

In many respects Christmas trade was truly ideal. The weather the fore part of the week and till Friday was cold, the thermometer registering near zero most of the time. This, however, did not deter the shoppers from coming out, and buoyed up their spirits and loosened their purse strings. Stock generally was of good quality and abundant. Trade in other lines was good showing that people had money to spend and spent it freely.

Cut flowers sold well, though high prices deterred many from buying. Stock was generally good though some poor pickled flowers were sent in. It is strange that many of the growers will never learn the inevitably disastrous results of holding cut flowers for days and weeks in order to realize high rates at the holidays. After all the retailer loses most by such practices, and indirectly the grower also suffers. The evil could be remedied largely by wholesalers and commission men refusing to handle poor flowers at all. Let us hope growers, wholesalers, commission men and retailers may some day get together realize, their dependence on one another and resolve to put down the ever recurring hoodoo pickled stock.

Retail prices were as follows: Beauties, 75 cents to $1.25 each; Brides, Bridesmaid, Siebrecht, Testout and Meteor, $2.50 to $3 per dozen; Wootton, Perle, etc., $2 to $2.50 per dozen; carnations, 75 cents per dozen; Romans and Paper Whites, 75 cents per dozen; valley 75 cents to $1 per dozen; violets, $3 per 100; Easter lilies $3 per dozen. The greatest demand was for Meteor and the supply was not equal to the calls. Some belated 'mums of third or fourth grade were brought in and were very useful in making up assorted boxes.

Plants sold very well; good azaleas bringing $1.50 to $10 each. There was a good call for lilies and cyclamen plants. The greatest demand in plants was for palms which sold very readily, and at such reasonable rates that hundreds were disposed of for Christmas gifts.

The demand was good for holly, but lycopodium loose and made up sold slow at retail. Needle pines and wild smilax were not used to any great extent.

While the aggregate of sales has not been determined, I am confident they will show a net gain of 25% over last year's sales and the best in the history of the business in this city. FELIX.

Trenton, N. J.

Christmas at this point was an ideal one, with crisp, frosty air, bright sun, and quite a good deal of skating—for the first time this season.

There is a decided improvement in general business, the potteries especially working with more steadiness, and they are the leading industry here. Of course the store florists (and through them the growers) participate in the improvement. They report business about the same as last year in some cases, while others report a falling off. It seems probable the fine weather—favoring outdoor sport—curtailed the social functions demanding flowers, etc. JAMES MACPHERSON.

LYNN, MASS.—Gibbs Bros. have opened a store at the corner of Munroe street and Central avenue.

Azalea Indica

ARAUCARIA EXCELSA.
Excellent plants in fine condition.
12 to 15 inches high..... $12.00 per doz.
15 to 18 " ..... 15.00 "
18 to 20 " ..... 18.00 "

FINE PLANTS, WELL SET WITH BUDS. Per 100
10 to 12 inch crowns..... $ 38.00
12 to 13 inch crowns..... 50.00
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This stock is in fine shape, with bright, clean foliage.

ASPARAGUS PLUMOSUS.
Strong, 2½ and 3-in. pot plants, $7 per 100; $60 per 1000.

LILY OF THE VALLEY.
Selected 3 year old Berlin Pips, $10.50 per 1000. Per Case of 2500 $25.00.

CRIMSON RAMBLER
.....ROSES
Strong, two year field-grown plants with several shoots 3 to 5 feet long. This rose forces readily, an MAKES SPLENDID SPECIMENS FOR EASTER SALES. $12.00 per 100.

LILIUM LONGIFLORUM.
Japan grown. A few thousand left in prime condition. 5 to 7 $20 per 1000. 7 to 9 $35 per 1000.

LILIUM AURATUM.
7 to 9 inches..... $4.00 per 100
9 to 11 inches..... 5.00 per 100

CANNAS. An immense stock, including THE CREAM OF THE NEW VARIETIES. President Cleveland, Tarrytown, Duke and Duchess of Marlborough, and others. Write for list and prices.

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Palms,
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Ferns and Araucarias,
IN ANY QUANTITY.
JOHN SCOTT.
Keap Street Greenhouses,
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Terms—Net cash with order. If ordered shipped by FREIGHT, ADD 50 CENTS CARTAGE.

Size	Packed in Crates of	Gross Weight per 100 pots	Per 100	Per 1000
2¼-inch	1000	about 20 lbs.	$0.25	$2 20
2½ "	1000	" 23 "	.30	2.50
3 "	1000	" 34 "	.45	3.90
3½ "	1000	" 45 "	.60	5.15
4 "	500	" 76 "	.80	6.90
5 "	500	" 100 "	1.20	10 35
6 "	500	" 150 "	1.65	14.55

Standard Pot Measure.
Less quantities than full crates at 100 rates.
F. W. BIRD & SON, Manufacturers.
Address orders to our General Agents,
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We are now Booking Orders for that Peerless New Yellow DAHLIA
Clifford W. Bruton.
It is an early and profuse bloomer, while the flowers are of immense size and grow on very long stems. Address
W. P. PEACOCK, ATCO, N. J.

SPECIALTIES
IN BEST VARIETIES.
ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.

ROBERT CRAIG
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Street, PHILADELPHIA, PA.

FERNS...
In fine assortment, from 2½ in. pots, $3.25 per 100; $30.00 per 1000.....
CHAS. T. DARLING, Stony Brook, L. I. N. Y.

Areca lutescens.
A few shapely plants in 9-inch pots, 4 feet high, $3.50 each; $42 per doz.
JOHN WELSH YOUNG,
.....GERMANTOWN, PA.

Worcester, Mass.

Flowers were not at all plentiful for Christmas, occasioned by the continuous dark weather that the growers have had to contend with, and consequently prices stiffened up considerably, though most of the trade keep prices as near the regular thing as is consistent with a fair profit.

Roses and carnations are very much off crop; what we are getting are of good quality and are bringing good prices. Violets are fairly plentiful and are retailing for $3. Harrisii lilies, white Romans and Paper White narcissus are plentiful, and in consequence of the shortage in roses, carnations sold well. A few good 'mums are still coming in and moving rather slow. Bouvardias, stevia, callas, and antirrhinum in white and yellow fairly plentiful and bringing good prices. There was a large increase in the sale of fern dishes in the various sizes and styles, retailing from 50 cents to $5. Palms, ferns araucarias, etc., sold well, and a few good cyclamens readily brought fair returns. Cyclamens and azaleas were just a little too late for the Christmas trade, I suppose on account of the dark weather. Holly wreaths and branches sold better than ever before, and laurel wreaths and roping, mistletoe, evergreen wreaths, long needle pines, etc., all were in good demand. A. H. L.

LATER.

Christmas trade was fully up to our expectations, the scarcity of flowers being the greatest cause for grumbling, but we sold all we had at slightly advanced prices, and we didn't lose much time sleeping either. There was a great demand for carnations, and unfortunately they were not at all plentiful; roses were also very scarce. Violets were a little more plentiful and sold well at good prices. Lilies, Romans and narcissus we had in quantity, and Lange's house of bouvardia, mostly scarlet, proved to be a bonanza.

Plants sold well, palms, ferns, ficus, etc., and lilies, cyclamens, azaleas and in fact anything with a bloom on it sold at sight.

There was also a big sale of green goods. Holly sold out very early, and there was practically none to be had after Friday noon; laurel, evergreen, pines, etc., moved rapidly, but mistletoe went more slowly.

If it had not been such a miserable, dark month and we could have brought out our blooms we would have broken all previous sales.

There will be a big demand for New Year's, and stuff is going to be very scarce. A. H. L.

Newport, R. I.

Never has the Newport Horticultural Society listened to a more interesting discourse than the illustrated lecture on Jamaica given on the 22nd instant by Mr. John Farquhar, of Boston. Although the night was wintry, yet every available seat was occupied and the deepest interest was manifested throughout. Mr. Farquhar practically covered Jamaica by views of rare features in plant life, of which he exhibited a grand and varied display; also views of the natives, their huts, crude conveyances, and general life. At the close of the lecture a vote of thanks by the society was extended Mr. Farquhar for the masterly and most interesting manner in which he handled the subject. J. J. BUTLER.

NEW GARNATION

"Mrs. S. A. Northway"

A soft shell pink, developing to nearly pure white.

OUR MASTERPIECE.

We shall commence shipping soon.

Orders booked **now** and filled in **rotation**.....

PRICE: PER 100, $10.00. PER 1000, $75.00.

Newer Geraniums.

Mme. Bruant, Mme. Jaulen, Fleure Poitevine, J. Sallier and J. Ricaud. Fine stock from 2¼-inch pots, $5.00 per 100. ROOTED CUTTINGS, $3.00 per 100; $25.00 per 1000. Net cash.

GENERAL LIST OF GERANIUMS.

A superb stock in quality and variety of all the finest sorts, from 2¼-in. pots, named, $25 per 1000; unnamed, $20 per 1000. ROOTED CUTTING, $12.50 per 1000. Net cash.

Fuchsias.

A grand lot of summered-over stock in small pots that will make early blooming plants, $3 per 100.

W. P. SIMMONS & CO.

Make the following statement to the readers of the American Florist.

As originators and introducers of
"Silver Spray,"
"Tidal Wave,"
"Daybreak,"
and "Rose Queen,"

each of which has, we believe, proven even better than we claimed for them. We NOW say for 1898 that

"Mrs. S. A. Northway"

possesses all the good points that go to make up a **first-class** and **profitable** cut flower sort, and that we introduce it with even more confidence than we did the others.

It is an extra strong grower.
It is free from rust or disease.
It is a profuse bloomer.
It has exceedingly strong stiff stems.
It is of exquisite form full and double.
The flower is high built, petals serrated.
The calyx does not burst.
It is delightfully fragrant (a quality lacking in many new ones.)

OUR PRICE LIST now ready, contains prices on many other plants. SEND FOR IT.

W. P. SIMMONS & CO., Geneva, Ohio.

FIREFLY

A RUST PROOF .....CARNATION.

Bright scarlet and positively **RUST PROOF**. It is as prolific as Scott, of good size and form, and its keeping qualities are unsurpassed. We have tested it four years.

Our stock also includes all the Novelties of '97 and '98. Send for prices.

GEO. HANCOCK & SON, Grand Haven, Mich.

50,000 Flat-Grown CARNATIONS

STRONG STOCK.	per 100	per 1000
Daybreak	$2.00	$15.00
Scott	2.00	15.00
Rose Queen	2.00	15.00
Tidal Wave	1.50	12.00
Portia	1.50	12.00
Rob Roy (new)	10.00	
Jubilee	3.00	
Snow Queen	10.00	
Silver Spray	1.50	12.00
L. McGowan	1.50	12.00
Eldorado, Meteor	2.00	
Flora Hill	5.00	
Triumph, Armazindy	3.00	
Pinto, new, and Uncle Sam, new, both varieties	10.00	

Cash with order. HENRY A. NIEMEYER, Erie, Pa.

BAKER'S

NEW CARNATIONS.

Grown and tested five years.

ONEIDA—Pure pink, healthy; no rust; continuous producer; largest size bloom.

RED JACKET—Bright red, fine stem and calyx; continuous cropper. $10.00 per 100.

Orders booked now to be filled in rotation as fast as rooted.

C. F. BAKER, Utica, N. Y.

NATHAN SMITH & SON

Wholesale Florists

Specialties: CHRYSANTEMUMS, CARNATIONS AND VIOLETS.

ADRIAN, MICH.

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ATTENTION.

If not received, ask at once for the TRADE SEED LIST containing a choice collection of our great Specialties of Flower, Tree and Vegetable Seeds, many valuable novelties saved from carefully selected stocks, offered by

C. PLATZ & SON, Erfurt, Germany.

Extensive cultures. Established 1756.

Early orders respectfully solicited.

Christmas Plants in Chicago.

The increased number of flowering plants to be seen in the florists' windows during the past two weeks proves that they are in demand and appreciated, and that there are many interested in plants as well as cut flowers. This is all on the lines of right—there will be just as many cut flowers sold as ever, and the plant trade will thrive also.

In addition to the plants mentioned in last Chicago notes, let me suggest Solanum Capsicastrum, three or four distinct kinds, two or three capsicums, Rivinia humilis and Ardisia crenulata, all berry-bearing plants so expressive for Christmas. It should, however, be borne in mind that all these plants require to be well grown. Don't tuck them away into a corner until about a week before Thanksgiving when you expect to have them in fine bushy growth, healthy leaves and covered with berries, because it won't be so

During November when the football season is on and when particular colored flowers are required, how would S. A. Nutt geranium do for a crimson; then any good double scarlet for a red, and any cherry color for cherry. These plants would require special treatment during August and September, could be grown in 5-inch pots, each plant to bear four to five good trusses. These plants could be off the benches by December 1. They would pay. J. T.

Utica, N. Y.

Christmas, 1897, was marked by one of the coldest days of the season. Friday before Christmas we experienced almost a blizzard. This must have had a depressing effect on quite a proportion of the florists' trade. It not only kept people indoors but made the delivery of large plants a slow and laborious task. Considering these things and the fact that nearly all report an increased demand in both plants and cut flowers, we have cause to give thanks.

In plants there were some good azaleas, mostly Dutch Perle, white, and Simon Mardner, pink. These were picked up at sight. Harrisii lilies were not in as much demand, although a great many were moved. Pans of Roman hyacinths, jardinieres filled with lily of the valley, Paper Whites in large pans, Begonia multiflora, primroses, etc., comprised the bulk of flowering stock. Palms, rubbers, some fine araucarias, as well as specimen ferns were in increased demand.

In cut flowers the call seemed to be for stock in order named—carnations, roses, violets, valley, Romans, lilies, and last of all chrysanthemums. Some occasional flower buyers still think that these last are at their best at Christmas. There were a few to be had but were like the last run of shad.

The churches confined their decorations to holly and Christmas greens, very few flowers being used. There are a few good decorations noted for the coming week which will take about all the stock visible. The trade as a rule are well pleased with Christmas, 1897. F. J. B.

...NEW CARNATIONS...

WHITE CLOUD.

White, large, fragrant flowers; strong habit, constant bloomer. A. C. S. Certificate.

NEW YORK (Ward).

Bright cerise pink. Strong, vigorous habit. Early. Certificate.

MRS. JAMES DEAN (Ward).

Clear, silvery pink, strong habit, constant bloomer. Certificate.

GOLD NUGGET.

Best yellow, only slightly marked with red. Strong habit, constant bloomer. Missed A. C. S. Certificate by one point for lack of fragrance.

JOHN YOUNG (Ward).

White, fragrant, free bloomer, strong habit.

BON TON (Ward).

Scarlet, strong habit, resembling Portia

Prices for above varieties, $2 per dozen; $10 per 100; $75 per 1000.

WE HAVE all the principal 1897 Novelties and other Standard varieties at lowest prices.

F. DORNER & SONS CO., LA FAYETTE, IND.

WANTED Carnation growers to look into the merits of

NEW CARNATION "ARGYLE"

and be convinced that it is the coming commercial variety of its color.

READY MARCH 1st, Price, $2.00 per dozen; $10.00 per 100; $75.00 per 1000.

Send for circular for full description and a select list of money makers in Chrysanthemums.

STOLLERY BROS., Argyle Park, CHICAGO.

CARNATIONS

Rooted Cuttings. Jan Delivery....

WHITE

Flora Hill	$5.00 per 100;	$40.00 per 1000	
Nivea	3.00 " "	25.00 " "	
Edith Foster	3.00 " "	25.00 " "	
Alaska	2.00 " "	12.50 " "	
McGowan	2.00 " "	12.50 " "	

LIGHT PINK

Conch Shell		$10.00 per 100
Victor	$5.00 per 100;	$40.00 per 1000
C. A. Dana	5.00 " "	40.00 " "
Daybreak	2.00 " "	15.00 " "

DARK PINK

Triumph	$3.00 per 100;	$25.00 per 1000
Wm. Scott	2.00 " "	12.50 " "

SCARLET

Wellesly	$10.00 per 100;	$85.00 per 1000
Jubilee	3.00 " "	25.00 " "
Jabns	3.00 " "	25.00 " "

YELLOW

Mayor Pingree	$5.00 per 100;	$40.00 per 1000
Eldorado	2.00 " "	15.00 " "

VARIEGATED

Mrs. Geo. M. Bradt $6.00 per 100; $50.00 per 1000

CRIMSON

Empress $10.00 per 100; $75.00 per 1000

H. F. LITTLEFIELD, - Worcester, Mass.

Named Geraniums, 2¼-in.,		$2.00 per 100
" Coleus,	" " "	"
" Begonias,	" " "	"
" Cannas, Standard,		$5.00 per 100
Pansy Plants, - -		60c " "
Clara Bedman Salvia, -		$2.00 " "
The Queen Pelargonium,		$3.00 " "

30,000 CARNATION CUTTINGS

NOW READY.

Standard Varieties, -	$1.00 per 100
1897 Varieties, - -	$5.00 " "
Except Lily Dean and Flora Hill, -	$6.00 per 100
Triumph, Daybreak and Armazindy,	4.00 " "

The Morris Floral Co.

MORRIS, ILL.

Mention Am. Florist when writing.

H. WEBER & SONS,

CARNATIONS,

OAKLAND, MD.

Mention American Florist.

ROOTED CUTTINGS

ROSES.

Bridesmaid, Brides, Perles, La France, Meteors, Kaiserin	$1.50 per 100, $12.50 per 1000, Cutlings.

CARNATIONS.

William Scott, Nancy Hanks, Tidal Wave, Portia, Lizzie McCowen, Kohinoor	$1.00 per 100, $7.50 per 1000.
Daybreak, Triumph, Emma Wocher	
Meteor, Coldfinch, Lizzie Gilbert, Harrison's White, Bridesmaid	$1.50 per 100, $12.50 per 1000.
Flora Hill, Morello, Nivea, Mayor Pingree, Jubilee	$3.00 per 100, $25.00 per 1000.

REINBERG BROS.,

51 Wabash Avenue, CHICAGO.

Experiences

...WITH...

CARNATIONS

Ready now. Send me your address on a postal and receive them regularly, during the season.

ALBERT M. HERR,

.....LANCASTER, PA.

DIRECTORY FOR 1898

Will be out early in the year. Write for advertising rates.....

American Florist Company,

324 Dearborn Street, Chicago.

GALAX LEAVES AND LEUCOTHE SPRAYS...

Green and Bronze. Of all wholesale florists—or write the introducer for free samples and information.....

HARLAN P. KELSEY,

1150 Tremont Building, - BOSTON, MASS.

Dahlia Shows of 1897.

Of the dahlia shows of the season just closed those of the Massachusetts Horticultural Society in Boston and the American Institute in New York hold the foremost place. In the Boston show the dahlia was only a single feature of the regular annual show, but the classes were well filled, the competition keen and close, and the display ample enough to have constituted quite a respectable show by itself. It is hoped that the society will see its way clear in the near future to establish a special dahlia show. There is ample material and a well arranged schedule embodying numerous classes which will undoubtedly bring out an exhibit of which all concerned may be proud. In the schedule of the present year, provision was made for general display and for classes of twelve blooms each of show, pompon, fancy, cactus and single varieties. The addition to this list of a class for decorative varieties will cover the field very fully, and such an addition will also afford the means of drawing a close line of demarkation between the true cactus varieties and the decorative varieties.

The New York show differed in making the dahlia the feature of the week of September 27, and the schedule was based mainly on display of different kinds. The schedule embraced two distinct sections, one for professional or commercial growers, the other for amateurs, with classes substantially identical. The leading class called for display of not less than 100 varieties, not less than 6 blooms each. Other classes called for best display of single dahlias (not less than 100 flowers), best display of cactus and best display of pompons. The remaining classes called for best collection of 50 varieties, of 25 varieties and of 10 varieties, which was interpreted best 50, best 25 and best 10 blooms and brought out only show and fancy varieties in combination. The class of not less than 100 varieties (6 blooms each) was not otherwise restricted and was intended to cover all varieties in one comprehensive display.

The fundamental differences in the two schedules are apparent from this statement of the manner in which they were drawn up. It is not my purpose here to criticise either, but simply to give the widest circulation to the details of both and to call special attention to these details as I hope in a succeeding article to formulate a scheme which shall combine all the leading features of both, which in its entirety shall be a suitable basis for a show of the most extensive character, and which by simple abridgment, can be adapted to the smallest town or county fair.

Between schedules like the above and the premium lists of many county fairs which gave the dahlia no recognition and no place, there is a wide interval, filled in systematically or unsystematically as the case might be, and where the prizes vary from slight to substantial. Here lies the opportunity for every dahlia grower to advance the interest in that flower. Let influence be brought to bear to secure specific substantial recognition for the dahlia at all local fairs. At the very least let premiums be offered for the largest and best collections, and let proper facilities be provided so that the exhibitor can make a creditable display and do himself justice.

Some societies are entirely destitute of anything in the shape of bottles or racks for display of blooms. Where the exhibitor is left to his own expedients entirely, in order to secure effective display, dissatisfaction is certain to arise. Let local florists and horticulturists bring all necessary influence to bear to secure such inexpensive provisions for floral display as are absolutely necessary. A supply of vases and bottles with suitable racks once procured can be maintained in a good state of efficiency at small outlay, and they are worth to any fair many times their cost. H. F. BURT.

Taunton, Mass.

MAGNIFICENT NOVELTIES

12 of the finest GERANIUMS ever introduced; fancy varieties, novel colors, new types; the latest from England and France; ready now for..... $ 3 50

12 of Dammans new Cannas; 12 varieties, Italia and Austria type for..... $ 3 00

12 varieties Cannas; novelties of 1897 from Crozy, and other noted raisers, $3.00; or 25 novelties, 1897 varieties, one of each kind, for..... $ 5.00

12 Chrysanthemum novelties, 1898; ready March 1st, including Autumn Glory, Pennsylvania, Solar Queen, for..... $ 4.00

Calvat's unrivalled set; 25 varieties; all prize winners as certificated; the set for..... $10.00

Send for List.

E. G. HILL & CO., - Richmond, Indiana.

CHRYSANTHEMUM FRANK HARDY. ... THE SENSATION OF THE SEASON

Certificated by the committees of the Chrysanthemum Society of America at New York, Chicago, Boston and Philadelphia.

☞ First prize among whites wherever exhibited. ☜ The best mid-season white to date and indispensable to every grower whether for exhibition or the cut flower trade. Plants ready March 1st and orders filled in rotation.

Price, per plant, 50c.; per dozen, $3; per 100, $20; per 1000, $150. 25 at 100 rate; 250 at 1000 rate.

A. HERRINGTON, FLORHAM FARMS, - - MADISON, NEW JERSEY

100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants, $2.50 per 100; $20 per 1000. Rooted Cuttings, 75c per 100; $6.00 per 1000; $50 per 10000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

50,000 SMILAX by mail, 50c per 100, $4.00 per 1000.

GERANIUMS mixed, from 2 in. pots, $2.25 per 100, $20.00 per 1000.

Send for samples. Cash with order. FRED BOERNER, CAPE MAY, N. J.

Coleus ....CHOICEST.

35 varieties, the cream of 100 of the best sent out last season. Plants $1.50 per 100. Rooted Cuttings 60c per 100; $5.00 per 1000.

BEGONIAS—15 standard sorts, $1.00 per 100.

YELLOW MARGUERITE—The finest NEW variety, $2.00 per 100 Rooted Cuttings.

Strictly cash with order.

SOUTH SIDE FLORAL CO., Springfield, Ill.

CHRYSANTHEMUMS.

STOCK PLANTS FROM BENCH.

Marion Henderson, Montmort, Ivory, Pink Ivory, Queen (white and yellow), Wanamaker, etc. Also a large collection of the best Ostrich Plume varieties. All $1.00 per dozen; $5.00 per hundred.

CHAS. L. MARSHALL, 67 Merrimac St., Lowell, Mass.

Mention American Florist.

10,000 AM. BEAUTIES

ROOTED CUTTINGS.

$3.00 per 100; $25.00 per 1,000; and Violets, Rooted Cuttings, $4.00 per 1,000.

CASH PER ORDER.

J. K. POSTMA, - Princeton, Ky.

BOUGAINVILLEAS.

Beautiful for "cutting" or pot sale.

Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests.

Send for "Comments and Facts."

THEO. F. BECKERT, Glenfield, Pa.

9 miles below Pittsburg, Pa.

GERANIUMS ROOTED CUTTINGS

Double Grant, La Favorite, S. A. Nutt, Mme. Salleroi, Ivy leaf Geraniums in six colors, strong and well rooted, $1.50 per 100, postpaid; from 2½-in pots, $2.50 per 100

Chrysanthemum Frutescens Halleri, finest yellow daisy in commerce, fine color, free bloomer, from 3-in. pots, $1.00 per doz.

Begonia Argentea Guttata, rooted, $1.50 per 100; from 2½-in pots $2.50 per 100.

SATISFACTION GUARANTEED.

PAUL MADER, - East Stroudsburg, Pa.

Introducing prices for best and new PLANTS CUTTINGS

GERANIUMS. COLEUS,
BEGONIAS, PETUNIAS,
SALVIAS, VERBENAS,
VINCAS, PANSIES,
Etc., Etc.

DANIEL K. HERR, Lancaster, Pa.

List and particulars any time.

HARDY

Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA.

PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING,

The Reading Nursery, READING, MASS.

ESTABLISHED 1854.

Society of American Florists and Ornamental Horticulturists.

The amendments to the By-Laws adopted at the meeting in Providence last August will go into effect on January 1st, 1898, on which date the annual assessment for the ensuing year will be due from all paid up members of 1897. All those whose dues for 1897 remain unpaid at that date will be considered as having withdrawn from membership. Delinquent lists will be discontinued and membership may be resumed at any time on the payment of the regular admission fee of $5.00, or the Life Membership fee of $30.00.

All those who contemplate becoming members during the year 1898 are earnestly solicited to do so at the first of the year so that they may receive prospectuses and other society announcements as published. This is particularly urged in the case of Trans-Mississippi members, that the officers may be informed as to whom they may rely upon for active participation in the Omaha Convention, for which detailed plans must soon be formulated. WM. J. STEWART, Sec'y.

Flower Show Suggestions—What to Offer Prizes for.

This is a good time to outline your premium list for next season. In doing so it is advisable I think to calculate on catering first to the consumer, or more properly to say the public who employ the florist and support him. It is from that part of our population that the flower show gets its support, and any branch of horticulture undertaken, which does not lead to the appreciation of this valuable element in society, is an unwise expenditure of energy. This includes all the work which a retail florist is called upon to do, such as decorate a dinner table, a reception room, fit up a conservatory, arrange plants in a bay-window, arrange vines and shrubbery or perennials for a permanent decoration of the lawn. Everything that is desirable for beautifying a home is what demands the florists' taste and skill, and the flower show is the proper place for him to display it. The next division consists of the production of such stock as the florist uses, plants, cut flowers shown individually, vases, baskets, moss, palms, ferns, etc. The third includes those items which interest at first the grower—a new variety, a new method of growing, its naming. They all have their place at the show, and each section has the advantage of being able to compare notes with the other, but in arranging your premium list these three sections should be kept separate.

It is my purpose to suggest a premium or two for what I consider the first section. Mantel and table decorations have been competed for quite commonly. Cannot we make a departure? When a florist calls on a customer who is about to give a reception he is shown over the house, and the lady of the house generally says: "We have decided to receive in this corner and if we put the musicians over there can't you screen them off some with green or palms so as to look pretty and not take up too much room?" Then she says: "How do you think a frappe bowl would do here? Well, you have seen the rooms; now Mr. —— I wish you would arrange them to look as pretty as you can for the 20th, but I think you had better furnish the green work and foliage necessary and use the flowers which are sent in; there are always so many flowers sent in."

This represents fairly well the feelings most every lady has who orders decorations. When she goes to a reception she is on the look-out for the little odd features of interest. A florist shows his real skill and art by adapting his arrangements to suit surroundings. Would it not be well to offer a prize for, say the most artistic arrangement for parlor decoration incorporating twenty dozen roses as they are usually sent in? This is what a florist is asked to do continually. Why not contrive to bring out the ingenuity for this at a show, also the decoration of punch bowls, the prettiest screen for music? Some such feature properly advertised would attract the ladies.

Then another item of interest, which I think should be more carefully cultivated, is the arrangement of the window in a "sick room." It will include plants to give it permanence and vases for more frequent changes. There is no better medicine for our dear ones, and the highest awards should be offered to those who accomplish the most gratifying results.

C. B. W.

Jardinieres, Pots AND Pedestals



ADAPTED TO
Florists' Use.

Artistic Shapes and Decorations.

Write us for Illustrations and Prices.....

BURLEY & TYRRELL, 42=44 Lake St., CHICAGO.

H. P. ROSES

Now is the time to start H. P. Roses for Easter Sales. Every up-to-date florist should have this stock in good shape for Easter. Our stock is first class and of the right kinds, well branched, with good fibrous roots.

CRIMSON RAMBLER, MARGARET DICKSON — OWN ROOTS @ $2.00 per doz.; $15.00 per 100.

Hermosa, Anna de Diesbach, Coquette des Alps, Gen. Jacqueminot, Mrs. John Laing, Magna Charta, Paul Neyron, Ulrich Brunner — 2 Year Dormant — OWN ROOTS, Per Doz., $1 75; per 100, $13 00. BUDDED, Per Doz., $1 50; per 100, $12.00.

American Beauty, La France, Mad. Chas. Wood, Gloire de Lyonnaise, Mar. P. Wilder, Malmaison — Of these we have budded stock only. Per 100, $12.00.

Mme. Plantier. OWN ROOTS, Extra heavy, per 100, $8.00.

14 Barclay St. NEW YORK — VAUGHAN'S SEED STORE — 84=86 Randolph St. CHICAGO

SIXTH EDITION DIRECTORY FOR 1898

—OF—

FLORISTS, NURSERYMEN and SEEDSMEN

—OF THE—

UNITED STATES AND CANADA.

NOW BEING REVISED AND CORRECTED UP TO DATE.

AMERICAN FLORIST COMPANY, 324 Dearborn St., CHICAGO, ILL.



EVELINA

at the present time is a mass of bud and bloom. Xmas week a house 16x80 produced 1000 flowers which sold readily at $6.00 per 100, and will continue to produce same number per week for some time to come.

EVERY FLORIST

who has seen it, without exception, will try this sterling variety another season, and it is claimed by everyone who has become acquainted with Evelina to be the most prolific bloomer in commerce and first-class in every respect, and predict for it a grand future.

THE HIGH ESTEEM

in which Evelina is held by the Cincinnati growers is shown by the fact that I have already booked orders for over 7000.

EVELINA

is a pure white, of large size, good form and substance; an extraordinary strong calyx; is fragrant and borne on long stiff stems that always carry the bloom erect; it is an extra free, early and continuous bloomer; is of good habit; a strong, free and healthy grower. Last year quite a number of plants produced from 30 to 50 flowers by the first of January. She won the Ward Cup for best commercial white at the Cincinnati meeting of the American Carnation Society; also a certificate of merit at the Indianapolis and Chrysanthemum shows. Orders now booked and filled strictly in rotation for strong, well rooted cuttings at

$10.00 per 100. $45.00 per 500. $80.00 per 1000.
50 at 100 rate. 250 at 500 rate. 500 at 1000 rate.
Cash or satisfactory reference, please.

R. WITTERSTAETTER, Sedamsville, Ohio.

Helpful Reminders.

Christmas marks the turning point from shortest to longer days. Without a clock or calendar, an observing gardener could tell by the behavior of his plants that a change was taking place. A general outline of what you want or need to supply your trade from January 1 to July 1 should be planned now. Each person must do his own thinking on this point. If you are not confident of your own ability to do this, you will at least appreciate the suggestions of others better, after having tried. Just now you are offered special bargains in bulbs of various kinds; be careful, it will cost as much to bloom a bulb that you pay one cent for as if it cost you five cents, the growing and marketing is the principal expense; besides if you have all you can do well don't put new work on your hands; if you are sure it will not pay to hire help enough to care for them properly don't think of purchasing. Make careful calculations, taking into consideration what other stock you have provided. Bulbs planted now will come on well for spring use, but a bulb out of the ground until December is of no value for winter bloom.

The flower buyers are hungry for pretty flowers different from roses, carnations, hyacinths, tulips and narcissus. They are all good and must be provided in ample quantity. If you haven't enough to keep up a supply until May, you can bring into the warmer house some of those which you planted in September that are now well rooted and replace them in the cool pit with bulbs you purchase now. Freesias have come in to relieve the monotony during the last few seasons, but I wish to bring to your notice three varieties of bulbs which are of much value in oppressing the hunger of flower-buyers now, and they are about the least expensive, viz.: Spanish iris, the Bride gladiolus and Ixias. If you are an artist in your line of work, you will not be another season without a succession of these from March until June; they must be handled with all their foliage.

Florists within a moderate distance of larger cities where the wholesale market is well established need not be concerned about the exact date for blooming a moderate amount of lilies, for cutting, as they can be had before and after your own crop comes in, but for pot plants you should be most careful. Do not neglect the demand for the present, but arrange as many of your potted lilies as you can spare in such temperature as will bring them in for Easter. Good potted lilies have been a scarce article and are sure to be this season.

For winter and Easter blooming pot plants, the opportunities for providing such stock as azaleas, spiræas, genistas, etc., are about over. Beyond taking care of what you have, nothing can be recommended at this date, but what shall you provide for spring work? Make out a list of what will be necessary to supply your trade to their liking. If you will want 2,000 geraniums, scarlet, pink and white —determine whether your varieties are as good as can be had; do not propagate from a plant that is not a first-class variety; there is as much labor, heat and space required to raise a poor variety as a good one. The cost of production is what you pay for your stock, and you cannot afford to pay as much for an inferior variety as a competitor does for a beauty. You have time now to procure necessary stock. Throw out what is not worth at least 25 cents for every square foot of glass it takes in a house you maintain a temperature of 50° in. The same is true of cannas, heliotropes, fuchsias, ivy geraniums, and all the stock necessary for spring bedding. Also provide now such seed as you will require for your spring stock. If you use maurandya vines in your boxes and vases start them at once and order all the seed now. If you do not arrange your plans and specifications now you are sure to be out of harmony when the spring hurry comes. The varieties to prepare, the quantity of each and the method for accomplishing the desired results, is a matter that varies with conditions. The caution and advice given above applies to every one managing greenhouses for the retail trade. The latter considerations apply differently to different florists.

Brockton, Mass.

The meeting of the Gardener's and Florist's Club on Tuesday evening, December 21, was an enthusiastic one, and much useful work on the final processes of full organization was accomplished, although the demands of holiday trade kept many members from participating. Geo. Hollis was added to the Committee on Essays and Discussions, and there was a general discussion concerning violets and carnation rust. It is expected that Oakes Ames will lecture before the club on the evening of January 4, and John Farquhar will give an illustrated talk on interesting horticultural subjects on January 18.

Yellow Foliage of Roses.

The foliage of our roses is very yellow at present, and we cannot understand the reason; the Brides and Maids seem to be the worst. They were planted in June in a short span to the south house 130 feet long, the glass is perfectly clean, and they get lots of sun and plenty of ventilation every day. They do not seem to have been overwatered at any time, and we have been keeping them on the dry side for some time, and giving all the air they could stand. Soil was the same as we grew them in last year. They are perfectly clean in every way and there is no mildew on them; and we run fires every night, keep the Brides and Maids about 58° at night, Perles at 65°. The Perles are growing very freely and are all right, except a few that are very light in the color; gave them all a top dressing of about one inch of well-rotted manure and soil, mixed about three weeks ago. They are having the best of attention in every way, and we cannot understand what is the matter. We are going to try some wood ashes on part of a bench.

TEXAS SEED & FLORAL CO.

It is often very difficult to understand the puzzles and solve the problems in rose growing, even when the plants are constantly under our eye; how much more so when they are located two thousand miles distant. Sometimes, as in this instance, when the treatment has been the very best, and such as in past seasons has given satisfactory results, yet, without any apparent reason, they refuse to make the growth or the bloom that we naturally expect to see. Science teaches, and we all know it to be true, that behind every effect there is a cause; we see the effect, but how difficult sometimes to trace back and discover the cause.

If the root action is all right I shall say it is probable that either the house has been run too warm, the plants have had too much stimulant, or some vital element is lacking in the soil. For light-colored foliage I have sometimes dissolved a 3-inch pot full of nitrate of soda in 50 gallons of water, and the same amount of sulphate of ammonia in a similar quantity of water, and with this have watered the benches once a week, using the two chemicals alternately. It makes a very weak dose and cannot injure anything. Common soot from soft coal is excellent for toning up rose foliage, and may be spread over the surface of the soil as a top dressing. A cement barrel of soot to 1,200 square feet of bench area will not be too strong. Some soils will not bear very much wood ashes; would not advise more than from 75 to 100 pounds to a house 20x100 feet. ROBT. SIMPSON.

What is Pickled Stock?

Answering inquiry of "Subscriber," Worcester, Mass., I will state that he must be very fortunate in buying fresh stock at the holiday times, otherwise his inquiry would be unnecessary. I do not think there is one florist in a hundred who buys cut flowers for the holidays but knows what pickled stock is, and for the benefit of this one I say, so called pickled stock is flowers which the grower holds from one to three weeks before sending them to market, and this stock then is ready for the waste barrel; still, the grower thinks the commission man ought to sell it at the highest market price, which the commission man often does, but the result is that the stock is not paid for, because, when received at destination they drop while taking them out of the box, this is what we call pickled stock.

The market two weeks before the holidays is short of stock, when good prices could be secured for roses and carnations, and I am sure that a grower would average more on the whole than he does in his method of pickling, and give full satisfaction. BROTHER FLORIST.

Secretary Alger at War with Florists.

Secretary Alger has turned down the Washington florists who have protested against the superintendent of buildings and grounds distributing cut flowers among government officials, Congressmen and their friends. The Secretary of War defends Colonel Bingham and says the custom shall continue to be recognized while he is in authority. In answer to the florists' protests he says that the small distribution by the government does not affect, in any large degree, the florists of this city; that on the contrary they cultivate a taste for flowers; that it is better to make this use of the flowers than to permit them to go to waste, and claims there is no legal obstacle in the way of a continuance of the custom.

HERKIMER, N. Y.—James F. Barclay, of Brooklyn, has purchased the greenhouses of C. C. Baum on Liberty street, and will take possession January 1.

New EARLY
Chrysanthemum....

MRS. ARTHUR J. CATON

In Bloom OCTOBER 6--Light Bronze
DWARF--3 FEET

Stem and Foliage Perfect. In Size, Form and Substance *EXCELS ANY VARIETY* of Its Season.

Distributed March 1 by

E. G. HILL & CO. RICHMOND, IND.
NATHAN SMITH & SONS, ADRIAN, MICH.
VAUGHAN'S SEED STORE, CHICAGO.

Price, Each, 50c; Dozen, $5.00; Hundred, $35.00.

To Florists

No Charges for Packing. Save 25 per cent. Duty.

wanting to grow ERICAS (Heath) we offer below (the Two BEST EASTER VARIETIES.)
Fine Bushy One-Year-Old Plants from 4-inch Pots.

Erica persoluta ALBA, $15.00 per 100.
" " ROSEA, 12.00 " 100.

Cash with Order.

A. SCHULTHEIS

Larger plants two-year old from 5 inch pots, - $35.00 per 100. You can bring this in flower for Easter.

P. O. Box 78.
College Point, L. I.



Fern Notes—New Adiantums.

The introduction of new species is now becoming extremely rare, yet we are making up for this by constantly getting varieties among home-raised seedlings; we have also had a few very pretty hybrids introduced, among which may be mentioned Adiantum Bessonianum. This shows some affinity to scutum or Ghiesbreghti; it is of erect growth, with stiff wiry stipes, the pinnules are of the size of scutum but closely set, overlapping as in Pacottii, it is very free growing and promises to become a useful addition for decorations. It received a first-class certificate from the Royal Horticultural Society about a year ago, and the stock was recently distributed at Messrs. Protheroe & Morris' auction rooms. A large number of plants being sold at 5 shillings each.

A very interesting batch of seedling adiantums was raised at Mr. H. B. May's nursery a few years ago. Out of two or three hundred plants nearly all showed some variations. The seed fronds were Æmulum and Waltoni diffusum, the spores of which got mixed by accident, whether this resulted in hybridization taking place or an ordinary freak of nature it would be difficult to say, for although I have often sown mixed spores I have never seen another instance where so much variation has occurred. Of those referred to above two have received first-class certificates and four "awards of merit" from the Royal Horticultural Society. The last to receive distinction being named A. fasciculatum. A first-class certificate was awarded to this a few weeks ago. It is of erect growth; the fronds are irregularly branched from the base, the stipes and rachis being almost black, the pinnules vary in size, the terminal being larger and deeply lobed; it forms a compact symmetrical plant.

A. Hemsleyanum which received the same award about three years ago has large finely cut fronds standing erect, but curved towards the extremities sufficiently to give it a graceful outline. As a table plant or for vases it is one of the most effective. A. Schneideri has small nearly triangular fronds borne on rather long stipes, the pinnules are closely set and of a soft pale green. A. plumosum is somewhat similar but of dwarfer habit, forming a dense compact plant. A. tenellum is a very pretty variety with broad spreading fronds. A. elegantissimum, may be regarded as an improvement on gracillimum, it has large much divided fronds, with very small wedge-shaped pinnules; this was the first to receive distinction and has proved to come true from spores. I may add that all of the above may be readily increased by divisions, if this is done carefully before the pots are too full of roots they start away freely; the best time to divide the adiantums is while they are growing freely, the same plants may be divided two or three times during the season and will do better than those allowed to stand longer. They should be kept close and well shaded for the first few days, but care should be taken not to give too much moisture either at the root or on the fronds. So many people have the idea that ferns require excessive moisture, that it cannot be to strongly urged that over watering is one of the greatest evils in fern culture. A. HEMSLEY.

Carnation Rust.

ERRORS IN ESTIMATING THE VALUE OF REMEDIES.

Answering G. N. T., California:—The preparation you used is essentially the old Peter Henderson mildew mixture. The addition of sulphate of copper practically makes the Bordeaux mixture. The results of your experiment are not conclusive because you have done as florists are very apt to do, i. e., treated your whole house instead of leaving a certain number of plants untreated as a check. The writer personally has had a good deal of experience with this matter of rust and has been lead by apparent success in treatment to make some very rash statements, much to his subsequent sorrow. Under careful culture, without special treatment, rust very often almost entirely, or entirely, disappears in the house. If, under such circumstances, we have been trying a new remedy, we are apt to ascribe a feature to the remedy which it does not deserve.

In future experiments of this kind if you wish results to be of value, we would advise that you leave a certain number of plants in the house untreated, being careful to give the treated and untreated plants equally favorable situations and equally good care. If under such conditions the untreated plants still continue diseased and the treated ones show an improvement, you then have a fair reason to believe that the remedy is of value.

X.

M. O. W.—The nurserymen whose names appear in our advertising pages, can doubtless supply your needs in the way of species and varieties of salix.

Speaking about **FLORISTS' SUPPLIES**, we have been tinkering away at this line of work ourselves for about 20 years. We ought to be able to sell you by this time, don't you think? There are mighty few wholesale men who are not Specialists in this line. Here are a few sample PRICES.

LILY OF THE ....VALLEY PIPS.

	Per 100	Per 1000
"Premium," fancy stock,	$1.50	$12 25
"International," a first-class Hamburg pip,	1.35	10 00

BEGONIAS Tuberous Rooted ...

Strictly First Size Bulbs.	Per 100	Per 1000
Single, separate colors,	$3 50	$30.00
Double, " "	9.00	

GLOXINIAS. Our strain is unsurpassed—it is composed of the erecta and horizontal sorts; combining the greatest variety of colors and markings.

	Per 100	Per 1000
Sep. colors, our selection,	$5.00	$45 00
Mixed colors,	4.00	35 00

TUBEROSES. True..... Excelsior Pearl. "Hallock Strain"

	Per 100	Per 1000
First size,	$1 25	$8 00

TOBACCO STEMS, about 175 lb. bales, per 100 lbs. $1.00; 500 lbs. $4 00. Special rates per ton.

14 Barcley Street, NEW YORK.

WIRE DESIGNS.
PERFECT IN SHAPE.
Here are a few sample prices; 33 per cent off, more if you buy big.

CROSSES. FLAT.

Inch.	Price.	Inch.	Price.
8	$.02½	20	$.08
10	.03	22	.10
12	.04	24	.12
14	.05	27	.15
16	.06	30	.20
18	.07	33	.30

WREATHS. FLAT.

Inch.	Price.	Inch.	Price.
6	$.01½	11	$.06½
7	.02½	12	.07½
8	.03½	14	.09
9	.04½	16	.10
10	.05½	18	.14

ANCHORS. FLAT.

Inch.	Price.	Inch.	Price.
8	$.06	18	$.16
10	.08	20	.18
12	.10	22	.20
14	12	24	.23
16	14	30	.35

Wheat Sheaves
AS GOOD AS IT IS POSSIBLE TO MAKE THEM.
20 per cent off these prices.

Flat, A, each	$ 15
" B, "	.25
" C, "	.35
" D, "	.45
" E, "	.55



DOVES....
WE PACK THEM TO REACH YOU IN GOOD SHAPE.
First-class Birds, each $1.15; dozen $12.60.
Second class Birds, each $0.95; dozen $10.50.

Sphagnum.
This is MOSS, not leaves, sticks or Cranberry Vines.

1 Bale	$1.00	3 Bales	$2.75
2 Bales	1.90	6 Bales	5.00

CAPE FLOWERS.
We carry but one grade, and that the best which the market affords.
COLORED, bright shades, per lb. $1.50, 10 lb. $14.
WHITE, per lb. $1.00, 10 lb. for $9.50.

STEMMING WIRE.

No. 24, per stone	$.65	No. 28, per stone	$1.00
No. 26, "	.75	No. 36, "	1 60

Tin-Foil. A No. 1 STUFF, NOT LEAD.

25 lbs.	$2 00
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100 lbs.	7.25

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New Crop. Per Doz., $2 50.

BLEACHED WHEAT CHENILLE
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CANE STAKES
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PAMPAS PLUMES
INSECTICIDES
SHEEP MANURE
HORN SHAVINGS
ETC., ETC.

At lowest possible prices. Send in your list of wants for estimate.

VAUGHAN'S SEED STORE, 84 & 86 Randolph Street, CHICAGO.

The Government Seed Shop.

CLEVELAND FLORISTS' CLUB TAKES ACTION.

For many years the national government has distributed seeds free of cost over the entire country. This practice is continued much to the injury of seedsmen, florists, gardeners and horticulture in general.

To explain in brief: The government by its purchase and gratuitous distribution of seeds becomes a direct and formidable rival competitor of the seedsman. The amateur, inspired by his gift of seeds to enter the field of horticulture becomes a rival of the legitimate florist. Horticulture in general suffers in common with the seedsman and florist, who, at all times, have at heart its promotion and advancement.

Why these particular crafts should be made the victims of governmental gratuities is an unanswered question. It would be eminently more fitting and a great deal more practicable to distribute groceries and clothing, and thereby achieve the same end, which, it appears, is the paternalism of a few politicians whose motive is the advancement of self interest at the government's expense.

The following preamble and resolutions were unanimously adopted at a meeting of the Cleveland Florists' Club, held December 27, 1897:

WHEREAS, In view of these facts, we consider that a great injustice is wrought the seedsmen and florists of the country; and,

WHEREAS, The expenses of the government would be decreased by the discontinuance of the practice of free seed distribution to the extent of one hundred thousand dollars, be it

Resolved, That we, the Cleveland Florists' Club, protest against the further appropriation of moneys by Congress for this purpose, and be it also

Resolved, That a copy of these resolutions be submitted by the secretary to each senator and representative from Ohio. G. A. TILTON, Secretary.

The Cleveland Florists' Club is rather worked up over the question of governmental free seed distribution, wherein they are undoubtedly perfectly right. The idea of distributing free seeds is just about as logical in its practical outcome at least as would be free coal, or free beer, or groceries, or anything else of common use that people ordinarily expect to pay for individually, if they use the article. Congressmen distribute the stuff among their constituents in the most absurd manner, without regard to the practical utility of the seeds to the recipient, thereby often entailing an absolute waste of the seeds, which is bad enough; or in other cases taking that much business away from the legitimate dealer, which is worse. "Rouse ye patriots, wake to glory!" or words to that effect. A.

Tempering Water.

ED. AM. FLORIST:—From the time of my first apprenticeship in the greenhouse business I have felt the need of some means of warming the water with which we feed our plants. While realizing the necessity of water, I have also realized that in the sudden chill which the plants receive from water often as low as 36° or 38° a severe setback would result, causing a delay in bloom and maturity and a lack of vigor.

A few weeks ago in looking over your advertising columns I noticed a tempering apparatus described for which claim was made that it would do away with my troubles as above mentioned. It was not without some misgivings that I had one put in, for as our heating is the open circulating hot water system, I did not expect much satisfaction from it. However, it was duly installed and the results are so far beyond my most sanguine hopes that I feel it a duty to inform my fellow gardeners of its perfect workings. I am now able to keep up a steady stream of water of almost any temperature I wish, as it is always under the control of the operator. I have two houses of Cattleyas which have improved wonderfully since the temperer has been in use. I also had connections made with the barn and poultry yards which we consider a great improvement, as we can give the live-stock the benefit of warm water in severe weather. JAMES ELLIOTT.

Hackensack, N. J.

Wooden Greenhouse Walls vs. Brick.

ED. AM. FLORIST:—I must take issue with Robert Simpson when he says, "For greenhouses of moderate cost nothing can be better than locust or red cedar posts and properly designed weather-boards with building-paper between."

The use of wooden posts may be slightly cheaper in first cost but I am very much surprised at Mr. Simpson telling us that masonry walls are in such disfavor in the States. I am obliged to build a brick or stone wall as I am within the fire limits; but if not, I certainly should not build on cedar posts if I could see my way to use brick.

The kind of wall which I have adopted and which I think the best until I see a better, is constructed as follows: Excavating to a sufficient depth to avoid frost, I build a nine-inch wall up to about a foot above the ground. I then reduce it to a single brick, outside, placing a 2x4 bond timber on top of the inner side of the wall where left off. At intervals of from four to six feet I build in header bricks to hold the bond timber solid, continuing the header to top of wall, putting in bond timber every two or three feet in height. The wall when built to full height is well plastered inside to close any crack in the joints. It is then sheathed vertically with matched sheathing, giving a hollow wall, brick outside and wood within. I have given this wall a ten year's trial and am satisfied that it cannot easily be improved upon, being as good today as on the day it was built, while houses built on the cedar post plan are in the last stage of decay and must be renewed next season. Even in the matter of cost the difference is not so great as some may think, when we pay $22 per thousand for sheathing (inside and out) then rough boarding, scantling, building paper, paint, nails, etc.

Toronto. W. J. LAING.

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Kraft's Plant Tonic

For PLANTS, PALMS and FLOWERS

...A Wonderful Preparation for the Promotion of Plant Life, Destruction of Insects and Scale...

This is one of the greatest preparations for the use of Florists and Plant Growers ever compounded. It gives to the foliage of plants treated the bright, fresh color of healthy, growing vegetation. It destroys all insect life infecting the plant and eradicates scale.

Besides improving the color of the plant, it effects a general betterment of its condition, aiding nature in disseminating and retaining the sap and life of the plant. The Tonic makes the foliage of the plant soft and pliable, and a beautiful bright green.

For sale at Price per bottle, 25 cents.

84 & 86 RANDOLPH STREET, CHICAGO. **VAUGHAN'S SEED STORE,** 14 BARCLAY STREET, NEW YORK.

AN 1898 CALENDAR

BEDECKED WITH

FLOWERS AS THEY GROW

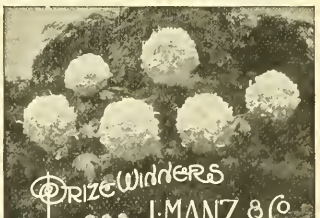
AND NOT AS ARTISTS TRY TO DRAW THEM.

"ART THAT ITSELF IS NATURE."

A Sample Set of Long's New Florists' Calendars mailed for only 20 cents in stamps. . . .

The prettiest office ornament yet seen for the new year. Address

DAN'L B. LONG, Publisher, - BUFFALO.



A FEW COPIES LEFT

....OF THE....

SOUVENIR PROGRAMME of the S. A. F. CONVENTION at Providence

can be had on application. Address

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FOR SALE CHEAP.

GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Broadway, NEW YORK.

Mention American Florist.

HAIL For Insurance against damage by hail, Address

JOHN G. ESLER, Sec'y, F. H. A., Saddle River, N. J.

GEO. E. COLE & CO.

Printers AND..... CATALOGUE MAKERS

For Florists and Seedsmen,

86 & 88 Dearborn St., CHICAGO.

Fuel.

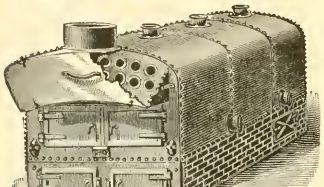
ED. AM. FLORIST:—Can you enlighten me as to the most economical fuel to use? I am now burning soft slack under my 50 horse-power return flue boiler, set in brick, with ordinary fixed grate bars. The slack coal costs me $2.40 per ton. Nut will cost $2.90 per ton and pea hard coal will cost $3 per ton. Could the soft slack be mixed with the hard coal in any way satisfactory? would a shaking grate be of any value and, if so, where can one be procured? SUBSCRIBER.

Referring to "Subscriber's" inquiry I would say, judging from results which have come under my immediate notice, that the cost of a full season's supply of fuel at the per ton prices mentioned, would be about the same for either of the grades named, but in the using of the pea hard coal a considerable saving in labor would be effected, and the annoyance of smoke and soot, and foul flues and chimney would be avoided. I would therefore give a marked preference for the hard coal. With such a fire, a suitably constructed shaking grate would have advantage over the common fixed bars. There are several styles of shaking grates made, but in order to advise as to where to procure one suitable for "Subscriber's boiler, I should know the exact size of the opening in the fire box in which the grates rest, and if possible have a sketch of the firebox and its setting.

HENRY W. GIBBONS.

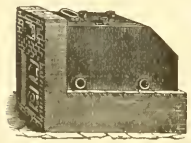
WACO, TEXAS.—The local floral society has become a state organization, and will in future be known as the Texas State Floral Society. It was felt that the time had come for Texas to have an association of its growers of flowers, that thereby a better system of interchanging ideas and methods could be adopted. An exhibition will be held annually in the fall, at which numerous cash premiums are to be offered. J. W. Barnett is now acting president.

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Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

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GREEN-HOUSE HEATING.
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1518 & 1520 S. 9th St.
PHILADELPHIA.
Send for catalogue and price list.

A Happy New Year....

We take this opportunity of expressing to our many friends and customers our sincere thanks for their kind co-operation and patronage during the past year, and bespeak for the season of 1898 a continuance of their favors.

Wishing you the compliments of the season, and a prosperous and happy New Year, we are, Yours sincerely,

New York Branch, 48 Centre St.
GURNEY HEATER MFG. CO.
163 Franklin St., Boston, Mass.

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BOILER MAKERS.
Office and Shops: 576-584 Clinton St., 569-583 Barclay St.,
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GREENHOUSE BOILERS A SPECIALTY.

DON'T SYRINGE WITH COLD WATER.
It lowers the vitality of your stock, but write for particulars of my tempering Apparatus.
HENRY W. GIBBONS, 134 LIBERTY STREET, NEW YORK.
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SYRACUSE POTTERY CO. Flower Pots,
MANUFACTURERS OF
Bulb Pans, Hanging Baskets and Saucers
OUR FLOWER POTS are standard measure and all first-class and we assure you they will give good satisfaction. We call your attention to our new pots, 6, 7, 8 and 9-inch, called the "Foro Pot." They are more Porous than any pots, smoother inside and outside, perfect drainage, and are easily washed and cleaned, Give them a trial and you will not want any other. Remember these Pots are as cheap as any other Pot on the market. Write for price list.
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STANDARD FLOWER POTS.
Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.
A FULL LINE OF BULB PANS.
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We are general agents for all varieties of flower pots and make a specialty of FLORISTS STANDARD POTS
Manufactured by
BRAZIL POTTERY & CLAY MFG. CO., Brazil, Ind.
Being centrally located we can save you freight. Also headquarters for FLORISTS SUPPLIES. Write us for price lists and we know we will get your order.
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ALL KINDS.
STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
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Boilers OF HIGH GRADE..
For GREENHOUSES.
See our Catalogue.....
Steam and Hot Water. Giblin & Co., Utica, N. Y.

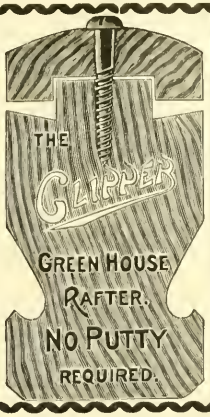
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Our pots are RED in color and Standard.
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213 to 223 Pearl Street. NORRISTOWN, PA.



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Flower Pots.
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave.,
CHICAGO, ILL.
Mention American Florist.

Heating Notes.

In addition to the method of temporarily repairing leaks in boilers, described in my last notes, I have often found a few handfuls of oatmeal or of finely pounded rice placed in the water, very effective, but you may fail in the use of this if you follow the usual practice of throwing it into the expansion tank, and trusting to luck that it will reach the boiler, as, if rice is used, it usually falls to the bottom of the tank and stays there, and if oatmeal, a portion of it will sink, some of it will float around on the top of the water, and some will be carried along the return pipe by the circulation of the water, the bulk of it however, staying in the tank until it has given up considerable of its starchy matter into the water, and by the time this water has reached the boiler, very little of the benefitting quality remains, it having been deposited along the entire length of the return pipe. My practice has been to take an empty tomato tin, or something equally as handy, and with a couple of nails, fasten it to the end of a stick so that it stands at right angle to the stick. Then pack the tin full of oatmeal or of the pounded rice, and pass it down the tank until the mouth of the tin comes directly opposite the opening into the return pipe, then place the mouth of the tin close to this opening, and by rapping the upper end of the stick shake the meal directly into the return pipe, when the flow of water will carry it directly to the boiler. The meal then becomes thoroughly soaked during its passage to the boiler, and on reaching the hotter water contained therein gives up its starchy matter, a portion of which is carried by the leaking water into the crack, where it finds lodgment, becomes baked, and soon accumulates in sufficient quantity to stop the leak, unless the flow of water through the opening be very strong. While this method is not always effective, it is so often so, and is so simple that it is well to bear it in mind for trial in case of emergency, and in case of leaky pipe joints, especially caulked ones, it is always beneficial. HENRY W. GIBBONS.



Butted Glass.

This is no longer an experiment, it has come to stay. There are various ways of making Butted Roofs, but the best way is with the

Clipper Bar.

With this bar you can make a roof that is absolutely free from drip, and glass cannot be torn out by the wind. Butted glass makes a tight roof, a warm house and saves fuel. It lasts longer, looks better and costs less than the old-fashioned roof. But do not think that this is the only bar we sell, for it is not; we furnish what people want and there is nothing in greenhouse material that you cannot get from us, and all of open-air-dried Cypress clear of bright sap, stained sap, knots and all other defects.

Lockland Lumber Co.

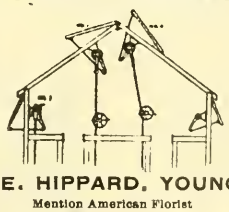
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GREENHOUSE GLASS
OUR SPECIALTY.
LARGE STOCK PROMPT SHIPMENT.
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WRITE FOR LATEST PRICES

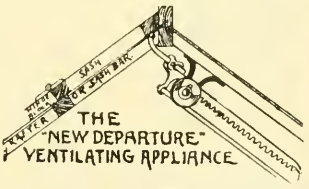
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MFR'S OF RED CEDAR AND CYPRESS GREENHOUSE MATERIAL.

CYPRESS
IS MUCH MORE DURABLE THAN PINE.
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UP TO 32 FEET IN LENGTH OR LONGER.
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Send for our Illustrated Book "CYPRESS LUMBER AND ITS USES."
Send for our Special Greenhouse Circular.
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STANDARD VENTILATING MACHINE.
NONE EQUAL IT IN Strength AND Durability
Send for Catalogue.

NOTHING Flimsy OR Complicated about it.
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EVANS' IMPROVED
CHALLENGE VENTILATING APPARATUS
WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS.
RICHMOND, IND.



You can not get a **GOOD THING** for nothing. But the price of this apparatus is next to nothing. Send for price and description to
J. D. CARMODY, Evansville, Ind.



LOUISIANA Cypress Green House Material.
RED CEDAR
Write for Estimates.
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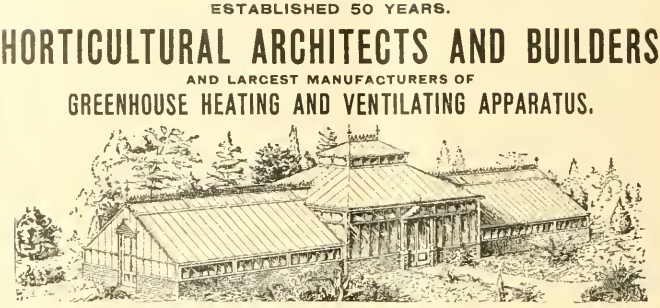
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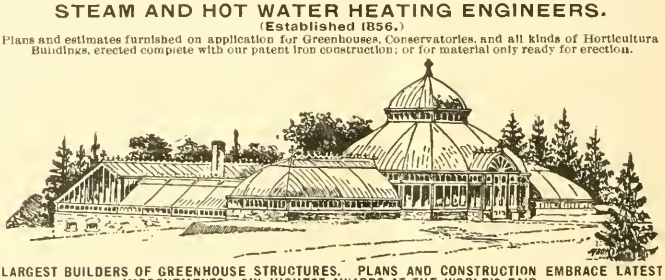
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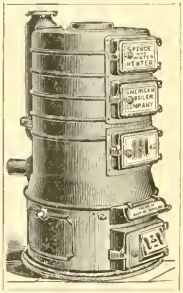
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THE AMERICAN CARNATION SOCIETY.

Annual Convention at Chicago, February 17 and 18, 1898. ALBERT M. HERR, Lancaster, Pa., Secretary.

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THE sixth edition of our Directory will shortly be ready. No effort is being spared to make it absolutely accurate and complete.

SPECIALIZING IN DAHLIAS

Was there ever such a riot of color? Twenty-six acres of dahlias in full flower, the plants sturdily standing alone instead of falling on their heads and not a stake in sight! It was enough to make anyone a dahlia enthusiast for life. The Philadelphia show of the American Dahlia Society was good for sore eyes, but the lack of "green" in the beautiful vases was fresh in my mind, and here were the plants flourishing and swaying with life and motion. How they grew and how they enjoyed it!

The hard red clay about Philadelphia is not the soil for dahlias. Nineteen miles "over in Jersey," at a little station called Atco, is the dahlia farm of W. P. Peacock & Co. Lawrence K. Peacock, author of "The Dahlia," our only modern American book on the subject, is the life of this enterprise, and the story of his success is an interesting one. It began with the variety Nymphæa, which nature gave Mr. Peacock a few years ago while he was raising seedlings in a small way. This one variety, perhaps more than all other factors combined, is responsible for the new interest in dahlias in America. Doubtless a hundred thousand plants of it are in the gardens to-day, for Mr. Peacock has sold forty-five thousand roots and plants himself to the trade. Mr. Frank C. Bruton (who knows dahlias) was quick to bring it to the notice of Wm. Henry Maule, and through this house the variety was popularized. A revival of interest in dahlias was impossible, that is, a new furore over the old ball-shaped sorts that were the delight of our formality-loving ancestors. Nymphæa was a "new lead," and opened the way in this country for a new kind of popularity, an enthusiasm due chiefly to the looser, freer, fluffier forms of the cactus and semi-cactus types which only needed to be seen by a chrysanthemum-loving public to be appreciated.

The delicate sea-shell pink of Nymphæa is unique. It is the standard beside which all the other blush whites and light pinks are streaky, harsh, coarse-veined or muddy. There are two kinds of large vase-effects with Nymphæa, which are peculiarly irresistible. The removal of the "green" often makes the round formal blooms of the "show" type look huddled, hunched up, or cabbage-like. A mass of Nymphæa dahlias without a vestige of foliage presents a new, distinct and charming picture. "Water-lilies!" is the delighted exclamation one hears all day long at the shows. The other large vase effect is somewhat similar, when the delicate foliage and multitude of dainty, drooping buds are used to loosen up the mass and set off the exquisite color of the flowers. It is my sober conviction, based upon two years' acquaintance with some five hundred sorts of dahlias, that Nymphæa has far greater value in America at the present time for artistic cut flower decorative work than any other variety. I predict that it will be a standard material all the year round in all the large cities that have true artists in this line of work.

On the plant, the water-lily effect is not so striking, as the bush is rather tall and open, graceful and attractive in itself. The variety has been discarded by some English professionals, partly, perhaps, because the flowers are usually only medium-sized, but chiefly, no doubt, because its peculiar requirements are not known. English soils are usually heavier than ours. Nymphæa is emphatically adapted to sandy soils. The flowers are sure to be pallid in close and shaded yards. The amateur cannot color the flowers well unless he can supply plenty of sunshine and a good circulation of air.

Mr. Peacock raises dahlias for roots and uses potash for that purpose as heavily as for potatoes, yet the balance between the vegetative and reproductive phases of the plants' life history seem to be fairly kept. The exhibition flowers are selected from the fields, and have the same care with all. The two hundred thousand cut flowers sold during the present season were really a waste or by-product of the main business. By the latter part of September, eighty thousand perfect but short-stemmed flowers had been delivered to a Philadelphia department store. Doubtless these gifts to purchasers have advertised the new creations in form, and helped to popularize the dahlia in general. Such a trade as this is, however, quite different from the long stemmed flowers used by florists, which comes nearer to being a sacrifice to an individual plant than a benefit, as in the case of the short-stemmed blooms.

The secret of Mr. Peacock's success in the growing of dahlias is his tillage. Frequent tillage is the basal fact in his whole system. Conservation of moisture is undoubtedly his greatest problem. The cul-

tivator is always going, and so are the plants blooming, throughout nine weeks without a drop of rain. I consider Mr. Peacock a "crank" on cultivation. He talks of "hills" that I cannot see even by stooping, declares that the manipulation of the cultivator requires more intelligence than any other part of the work, and believes that he can save and make the most money by doing all he can of that work, even in the busy season. Thorough tillage, he believes, is the chief factor in his success.

Feeding dahlias that grow in a nearly pure sand is more like a greenhouse than an out-door problem. Mr. Peacock applies his nitrogen, phosphoric acid and potash after a rough practical formula: 100 pounds of "nitrate," 400 of bone and 200 of high-grade "sulphate" are thoroughly mixed and applied at the rate of half a ton to an acre, though here again Mr. Peacock's "hills" make a difference. Seven carloads of manure were broadcasted last spring on a portion of this dahlia farm. The use of manure in the rows only, he thinks is mistaken economy, the plants being started off at too fast a pace and left with too many leaves to support in drought and not enough nourishment. Dahlias two years and clover two years is his only rotation of crops.

The merits of his single-stem branching system are best seen in the seed stock, which is planted earlier than the rest. The roots are planted deep and only lighly covered, the shoots coming up thicker, shorter-jointed and darker green than through a deep covering. As soon as two pairs of leaves show themselves the shoot between the upper pair is pinched out, whereupon the four waiting side shoots develop into long arms, while the original stem thickens into a strong supporting trunk, which, however, rarely shows above ground as the successive shallow cultivations gradually fill up the trench and even cover the bases of the four long arms. This filling-in makes a sort of cushion or buffer which gives elasticity to the whole bush and enables it to retain its position safely during wind storms. This ingenious device does away with stakes and tying altogether.

It is difficult to see seven or eight hundred varieties and discover the few that are of the highest relative importance. The more of perspective I get, the more prominently emerge three or four varieties which I shall presently name. They are semi-cactus sorts, or what the Germans call "cactus-hybrids." (The word "decorative" sometimes used by the English is about as non-significant as the terms "show" and "fancy"). Now this class is, (so Mr. Krelage, of Haarlem, the chief Dutch dealer, told Prof. Bailey,) the class of greatest commercial importance in Europe to-day, the show, pompon and single sections being in demand only among amateur fanciers who have grown collections for years. The show type is the almost perfect sphere, the true cactus form is precisely that of Juarezii as pictured in 1879 in the *Gardeners' Chronicle*. These, then, are only two forms, two types, albeit we have them both in almost every conceivable color. Between these two extremes of form; the spherical and the flat and fantastic we have very many intergradient forms for which there are no words in the language, shapes of True Model, Harry Freeman, E. A. Fannell, Maid of Kent, Little Cactus, Wm. Pearce, Mrs. E. C. Monroe, all of which partake of the fullness of the show type and the freedom of the cactus. The show and the cactus, then, are only two types, and this great intermediate semi-cactus section represents at least twenty shapes, each one of which is worth producing in every color in the dahlia's range.

Now the pure cactus dahlias are later in coming into bloom than the show kinds and perhaps less productive. The flowers are often too short-stemmed, and will not carry so well as the round sorts. They are eminently the thing for skilled amateurs who have the best conditions. The semi-cactus varieties are, in varying degrees, better than the pure cactus sorts in America for commercial purposes. Wm. Agnew is actually earlier than the show kinds, which represent the highest selection because they appear to be a conservative class which is a large and permanent element, especially in the old world. Clifford W. Bruton is as large, and fine, and full, and free as some of our best yellow chrysanthemums.

These two, Agnew and Bruton, are the results of plant-breeding of the highest type. They are ideals realized I am well acquainted with the parents concerned in these pedigrees. Nymphæa is a chance seedling. I know nothing about propagating dahlias, but I have seen an acre or more of each of these three sorts and believe they are thoroughbred commercial varieties. Wm. Agnew, indeed, comes dangerously near that impossible conception, the "all-round variety." Its rich, strong scarlet is suffused by just enough of scarcely perceptible orange to make it brilliant and lively in shade or under the artificial lights which kills all our superb dark reds, with a velvety finish, John Bragg, Matchless, Black Prince, and twenty others. The habit of plant is distinctly attractive; the cut flowers will carry well; the size is great; the productiveness ideal; and in some localities the earliest of all dahlias.

John Elitch is a red variety not quite so good for exhibition, with a different form of flower, and taller bush, which deserves to be tried by every one in the East who cares especially for dahlias. I feel sure that the four varieties named above are among the twelve best semi-cactus sorts for commercial purposes in this country. John Elitch owes its origin to W. W. Wilmore, a dahlia specialist of Denver, Col. His catalogues are beautifully illustrated. I wish the AMERICAN FLORIST could prevail upon him to write of his methods and experience for the benefit of the Eastern florists. WILHELM MILLER.

Ithaca, N. Y.

Some Useful Begonias.

Begonia Socotrana, while not new, is not as well known or appreciated as it deserves. It is worthy of extensive cultivation as a winter bloomer. It comes into flower about November 1, and lasts until February. Its flowers are a pleasing shade of pink and having long stems they are excellent for cutting. A good point in its favor is that the blooms do not drop and litter the foliage and benches as is the case with most varieties but they wither on the stem.

Begonia Socotrana is the parent of quite a few of the new hybrids, such as Gloire de Lorraine, John Heal, Winter Gem, etc. Each plant is composed of a cluster of bulblets which when pulled apart will make separate plants, flowering as in the illustration after two years. If the cluster is left unbroken it will make from two to ten breaks, one from each bulblet, thus giving a large flowering plant. It is easy of cultivation. The bulbs are dried off in spring, shaken out of the soil and laid away in sand until August 1 when they are potted and started up again.

Begonia semperflorens gigantea rosea is a superb variety of the fibrous rooted section and unexcelled for showy winter effect. It is of the simplest cultivation. Cuttings are struck in February or March, planted out in the open ground in spring, given one or two pinchings during summer and potted up in the fall. Begonia incarnata requires similar treatment. Our illustrations are taken from views in the greenhouses of Cornelius Vanderbilt, at Newport, where Robert Laurie is gardener. Mr. Laurie is one of the young gardeners who has already taken a leading position among his fellows. His ambition is unbounded and his enthusiasm is of the catchy kind which inspires those with whom he comes in contact, while his good nature and companionable qualities make him hosts of friends wherever he goes.



BEGONIA SEMPERFLORENS GIGANTEA ROSEA AT THE BREAKERS, NEWPORT, R. I.



BEGONIA SOCOTRANA.

Fuchsias.

If you would get a reputation as a great grower in your town, the fuchsia will respond to a systematic and generous treatment as quickly and give as good results for value received as anything I know. There is only a limited demand for them generally, it is true, but what few are needed might just as well create as favorable an impression as possible, and that without much extra trouble or expense.

Now is a good time to put in cuttings if we would have creditable plants when spring trade opens. To proceed, select strong newly made shoots that have been produced upon the old stock plants in a house that has been supplied with air and light in abundance and in a night temperature of from 50° to 55°. Pot the cuttings at once into 2½-inch pots, using soil that is light, moderately rich, and porous; place them in a temperature of 60° keeping them well sprinkled and shaded from the direct rays of the sun until well rooted. It should here be stated that great care must be exercised so as to never allow the cuttings to wilt at any time, either from lack of moisture or too much heat. After they are well rooted they may gradually be inured to more light and air, and given a position close to the glass and in a night temperature of not higher than 55°.

As soon as the young plants are thoroughly well rooted, they should be given a shift into well drained pots 5 or 6 inches in diameter, according to the strength of the young plant and the variety, using as a compost something similar to that recommended for the cuttings, with perhaps the addition of a little more loam. Great care in watering must be exercised at this stage of the young plant's existence or failure will more than likely be the result. They should have enough water, but not too much. One good watering to settle the soil will suffice after the repotting for a day or two, when the caution above referred to must be brought into play. Soils are widely different in the several states, and indeed in the same locality sometimes the difference is very great. Three or less miles from where this is being written the soil is composed largely of rotten rock (mica-schist). The mica or so-called isinglass in it glistens and sparkles with great brilliancy, whereas the soil here, though some mica is present it is in very small quantity and hardly noticeable, and the soil generally may be classified as clayey loam.

For the well doing of fuchias our soil requires an addition of leaf mold, or Jersey peat, or peat moss, or well rotted refuse hops, or thoroughly well decomposed stable manure, or anything of the character indicated, and some sand or the finer screenings from coal ashes which have passed through a screen of ¼ or ⅜ of an inch mesh.

The plan herein recommended for starting young fuchsias has been practiced with unqualified success for a number of years, and it cannot fail to be uniformly successful if carried out with intelligence.

The fuchsia is never so beautiful when in full flower as when grown in a natural, pyramidal and graceful manner. The air and light space which each plant receives under this method of treatment with the other concomitants advocated is the secret of success, because there can be no crowding, if our advice is carried out, thus giving the side shoots a chance to break evenly and develop uniformly. The cultural methods herein advocated for starting the young fuchsias cause the side shoots to assert themselves with

equal possibilities, and that is the secret of the whole process. The same results, of course, may be obtained if the old style of propagating is carried out, provided, let me admonish, that the cuttings are not allowed to remain too long in the sand after being rooted, and are not permitted to remain in the small pots longer than possible after filling them with roots. Many varieties make natural pyramids, and all the training they require is for the leading shoot to be tied neatly to a straight stake. The flower buds will first appear on the leading shoot, and these should be religiously picked off until others appear uniformly upon all the shoots alike. Such plants cannot fail to attract attention and call forth favorable comment wherever seen.

I know the publishers of the FLORIST and readers thereof would be pleased to see photographs of plants grown as pictured herein, and a premium of five dollars ($5) is hereby offered for the best photograph of the best grown plant grown in the way recommended, subject to the approval of the publishers of this horticultural trade periodical, and the merits to be decided by whomsoever they shall appoint for that purpose, and who shall have the privilege of using for illustration in its columns any or all of those which are submitted and are entered for this competition. For further particulars or other information desired, write to the undersigned through the FLORIST and a reply will be cheerfully given. L. O. N.

P. S.—Entries for this competition should be recorded with the American Florist Company not later than February 1, 1898, and the methods adopted in growing should be carried out as nearly as possible according to those herein noted, and that cuttings should not be admitted in the contest that have been put in before January 1, 1898.

L. O. N.

A Problem for the S. A. F.

We hear numerous complaints about the lack of appreciation of this society, which is manifest by the poor attendance at the summer conventions, and complaint is made of the so-called auxiliaries absorbing so much attention that the old S. A. F. gets little thanks for what has been done. Letters have been written and published, arguing with the florists at large, that it was to their advantage to become a member and attend these annual meetings. To listen to this sort of talk year after year and note the general lack of response to the continued appeals would argue that the florists generally didn't know what was good for them. Great stress is put upon the entertaining programme lasting four days out of the 365, leaving 361 days in which nothing is done. It has been claimed that the trade journals destroyed the membership by publishing the best of the proceedings within two weeks for $1, and the directors of the S. A. F. have talked of prohibiting the journals from publishing the essays, etc., well this would be right in line with the present policy of do nothing. A man who goes to the trouble of preparing a valuable paper free of charge to be read at an S. A. F. convention, does it with the generous impulse; if he finds it's to be given only to a comparative few who pay $3 a year for it he will naturally prefer to sell his efforts to a journal. There is no use in curtailing the usefulness of the journal in order to sell its own reports at a high price after they are several months old.

In place of trying to coax florists to pay $3 a year for what they do not demand,



BEGONIA SOCOTRANA AND B. INCARNATA AT THE BREAKERS, NEWPORT, R. I.

it is the business of such an association to attend to such work as all feel the need of 365 days of the year in place of only four days. The business of the Chrysanthemum and Carnation societies is very important; the whole office work could be more economically done under the supervision of one secretary, the printing of one report including each department would be a saving. The S. A. F. really conducts no business now that is not done by many local clubs. A club has an essay every month or two weeks, conducts a flower show, has two or three social gatherings annually covering much the same ground The object of a national society should be to accomplish such results as cannot be done by individuls or local clubs. There is plenty of such work to be done; if there was not there would



BEGONIA SEMPERFLORENS GIGANTEA ROSEA.

he no use in spending as much money annually as the S. A. F. costs. I will suggest a few branches of work which we all feel a need of and which cannot be done locally or personally.

We want statistics of trade. Arrangements should be made with all wholesale dealers to report monthly the gross sales, amount of express charges and returns to growers on roses and carnations separate. Arrangements should be made to have stock properly graded. Each large city should have an inspector who should be appointed by the S. A. F., and work under their rules and regulations. His reports should be filed at headquarters monthly, all dealers who co-operate should be given a stamp to paste on their packages, rules and regulations would have to be carefully planned and changed from time to time as experience would teach.

Then we should have a national committee on arbitration to act upon all complaints between members (to exclude lawyers), also between members and express, railway, telegraph or insurance companies and conduct their cases. Today if you apply to your express agent for some damages, he sends word to the superintendent who immediately inquires, "What is their trade worth to us," if it's a person who cannot afford a law suit he is "turned down" without regard to the merits of his claim, if the Society could control the whole express business many improvements could be made, and each florist who was a member would feel secure. There is not a more important matter before us for consideration today than the fixing of responsibility for damage to plants in transit. Every one in the country is afraid to order plants after November 1st, the shipper refuses to stand any loss and the common carrier refuses to allow for temperature or time, what is the florist to do but pay for what he does not get. There is work here for the strongest six men the S. A. F. can produce. Every member of the S. A. F. should be protected against such injustice whether he be rich or poor, it takes united effort now-a-days, and we will get it united if we go to work.

There is another matter, while we need protection in business we want more knowledge, we want knowledge disseminated in a way that all can absorb. The S. A. F. should arrange a few first-class extension courses of lectures to various local centers where a given number of members come together, charging a good price to outsiders.

There are other matters for consideration but these are enough to start with. If they are taken up with a determination much good will result. It comes quite close to forming a trust which is the order of the day.

There should be a national exhibit of plants suitable for Christmas on December 10.

There should be a national exhibit of chrysanthemums, cyclamens, etc., in November.

There should be a national exhibit of carnations and bulb stock in February and stock suitable for Easter. C. B. W.

"Rascal Florists."

Referring to Mr. Simpson's notes in the December 25, issue, a subscriber signing "Molly" says that the farther west you go the more "Rascal Florists" you meet. True! Molly—Too true! and Canada thistles and ox-eye daisies and English sparrows and other things also infest the western country, but they came from the east.



CANNA MLLE. BERAT.

"Molly" suggests that every florist claiming to be competent be compelled to furnish a certificate from some florists' club, and that such certificates shall not be issued unless the applicant has a good working record of not less than five years.

Canna Mlle. Berat.

Canna Mlle. Berat (Crozy) the subject of the illustration is probably the nearest approach to a pink color of anything yet produced. It is a soft shade of rosy carmine, foliage green, height, 4 feet.

Carnations.

DETERIORATION OF VARIETIES.

A great deal is said regarding the deterioration of carnations, and very often the originator of the variety in question is blamed for ever having sent out such a variety, when, in fact, the variety was all right and the grower perfectly justified in distributing it, but after having been generally and extensively grown for from five to ten years, for some reason it seems to be more susceptible to disease, and the flowers are not up to the standard in color or quality, and it is generally decided that it will no longer pay to grow it. "It has deteriorated," and now the important question arises: Why has it deteriorated, and from what cause?

It seems to me that the causes are only too apparent and that they are many. I am not of the same opinion as many, who claim the high state of cultivation given by some of our best growers tends to prematurely wear out a variety. I don't believe that good light, ventilation, feeding and watering, and keeping the plants clear and free from insects ever deteriorated a variety in the least, but that the cause is traceable in every instance to injudicious or bad cultivation at some stage of its life.

To illustrate my idea I will give the history and life of a few well known varieties. Portia was a seedling plant seventeen years ago this winter, and for the past fifteen years has been in general cultivation. Perhaps no variety of the color has held up so long and well that has been so extensively grown. I attribute the wonderful vitality of this variety to the fact that it is only a half-blood remontant carnation, the father parent being a hardy

or what is known as a garden carnation. Still, while it has retained to a great degree its vitality with many growers, the blooms are not as large as they were a number of years ago, but with a few of our best growers, who have kept their own stock and given it good cultivation, it is still the most profitable scarlet. Silver Spray, for some six years after the distribution of the seedling, was the most profitable white variety in cultivation and the demand for the stock was very large. About this time the rooted cutting business started, and the growers, eager to fill orders and make all they could out of it, propagated every cutting they could get, healthy or unhealthy. "It has deteriorated."

William Scott is, to my mind, the most profitable cut flower variety ever sent out by Mr. Dorner, yet we hear of growers who claim that Scott has deteriorated, and it is not to be wondered at, but is in no way the fault of Mr. Dorner. The next year, after this variety was sent out, I visited a place on Long Island where they had two large houses of it. The day was bright and sunny. I found a small boy looking after the place, not a particle of ventilation was given, and the thermometer stood at 85°. I asked what night temperature was kept and the boy said 65°; that they were crowding it for all it was worth as the demand for rooted cuttings was great, and they were offering it in the florists' papers for $15 per 1000 by mail. Possibly some of these growers who are finding fault patronized this would be philanthropist, who through his greed to get all he could out of Scott, was willing to supply those patrons who bit at his cheap offer with stock that had been forced to death. Such stock, I hold, a grower would be better without, at any price, and the man who has no scruples against doing this kind of business is unworthy of the support or patronage of the trade.

Yes, Scott will deteriorate, and so will each and every good new variety until such time comes that many of the causes which produce the effect are removed, or the hybridizers are able to conceive some method of breeding whereby the new varieties will possess a constitution of the texture of the finest Bessemer steel, and not susceptible to injury by fire and brimstone. In my next I purpose to more fully describe some of the causes as I see them.

A. T. SIMMONS.

The Newer Carnations.

[Read before the Florists' Club of Philadelphia, January 4, 1898, by Albert M. Herr, secretary American Carnation Society, Lancaster, Pa.]

There are so many of the newer carnations that it is hard to talk about them without making a descriptive catalogue out of your talk. So if there are too many names and too much descriptive matter, blame it on the originators.

In the first place, from a cut flower grower's point of view, there are too many new carnations. If the number could be reduced, to say four each season, there would be more in it for everyone concerned. As it now stands the general grower simply cannot afford to try them all, and the consequence is very often he does not try any. This is a loss both to the originator and to the grower. It limits the sales for the respective originators and causes them an extra expense in the matter of advertising, etc., to get their carnations before the growers. The grower frequently misses a very good thing, and only takes hold after the variety has become common and the bottom dropped out of the profits, so to speak. But like the poor, we will have them with us always, and the next best thing we can do is to try all we can, and gather from the experience of others what we can; then put the two together and make up our list for growing next season.

Among the newer whites we have Flora Hill, Harrison's White and Nivea. Flora Hill has had its praises sounded everywhere and needs none of mine. Nivea is doing all right around Boston. It is a weak grower in the field, but comes all right when planted in the house. Harrison's White was unfortunate in coming out with Flora Hill, the latter so far eclipsing it in all commercial respects. Nevertheless it has some good points. With me it is a fine upright grower, producing fairly good flowers on long stiff stems, but it has not made from 1000 plants, $10 worth of flowers to date, and this is certainly a serious drawback. I have it in the cool end of a house, and possibly it may do better in some places, but of numerous inquiries sent out I have received only two answers from men who will give it a second trial.

In fancy, we have Lily Dean, a variety that is very easily grown and produces a fine large flower. Mrs. Bradt, as almost everyone knows, has an immense fine bloom on a very weak stem which has improved greatly this season grown in a stiff clay soil. In a moderately cool house, I am inclined to think, it will make a standard sort. Maud Dean might be called a fancy, but I am afraid it will not become popular on account of its being hard to handle just right; but if handled right it is a fine sort. It should be planted as early in August as possible, and being a decided cropper you should have two or three lots and keep them topped so as to follow each other. By this method a continuous crop can be obtained.

In scarlets, there are a number, Robin Hood, Jahn's Scarlet and Morello. Robin Hood is a seedling of Hill's and had made some good friends, although it has to be grown carefully to produce strong stems. Jahn's Scarlet is called the "Poor Man's Scarlet." It was raised and introduced by P. Fisher. It is a free bloomer of fairly good size on a fine strong stem. It is an excellent keeper and slightly fragrant. Morello makes very large flowers in heavy soil and slightly smaller ones, but more of them in a lighter soil. It has made many friends in the west. Mrs. McBurney, one of Hill's, is somewhat of a disappointment as to color, otherwise it is a good variety, being free and healthy.

Mayor Pingree is perhaps one of the best of last season's introductions. To get the best results the cuttings should be taken early and grown right along so as to produce good, large plants. It does not want much pinching if you want early and continuous flowers. It likes a heavy soil and a few more degrees of heat than Daybreak, but will produce almost equally well in light soils. C. A. Dana, sent out by Cottage Gardens, I have not been able to see growing, but I understand it is a good variety. Possibly there are others worthy of mention, but I have been a bit pushed with work and have not had time to look up the back trade papers for their names. The same applies to the new ones for this season.

We are promised two good scarlets, one Bon Ton to be sent out by the Cottage Gardens and F. A. Blake. It is of Portia habit, with larger flower and stronger stem; this would indicate a good variety. Firefly, by Hancock, is promised as a perfectly rust proof and otherwise good variety. This will be a welcome addition to those who are so afraid of the rust in Jubilee. In whites there are four clamoring for popular favor. White Cloud, called a white Daybreak because of its resemblance to that variety in foliage and strength of stem. John Young called a white Scott for the same reasons. Jack Frost is claimed by its orignator to be an ideal white.

Evelina, the winner of the Cottage Gardens' Cup at the last meeting of the American Carnation Society held in Cincinnati and seen by a number of us then, was certainly a fine variety. I am told it is even better this season, and that would indicate that it was a good one to try. Mrs. James Dean is a very light pink of good commercial qualities, and New York a cerise pink that has captured the popular taste in the New York market. The Messrs. Breitmeyers, Simmons, and others are pushing forward pink varieties. They will no doubt all be in evidence at our Chicago meeting and reviewed by the trade papers, so, as I have not seen them, will leave that for later on.

One that I have seen plant and flower of is Empress, a crimson, and as we are badly in need of a good one in this color, it will no doubt hit the popular fancy all right. Gold Nugget promises to be one of the gems of the season from all indications, and there is certainly room for a few "Gold Nuggets" among carnation growers. There are a host clamoring for favor with the growers and a lot of originators reaching for their money. We hope both the growers and the originators will come out ahead for 1898, for it is not questioned that the majority need a little good luck, good times, or whatever you may choose to call success.

Taken all in all, the new carnations are fascinating, both to the introducers and to the general public and certainly to the growers. The buying public are beginning to look for something new each year, and we can do no better than cater to their tastes, but let us be sure first that they are an improvement over existing varieties, and then try and test them thoroughly before sending them out. In this way there would be fewer disappointments and more successes, and the extra care would redound to the introducers' credit and consequent success, and to the growers' finances. But even as it now is the few successes are so distinctly such that they overbalance the failures, and so the merry war goes on.

Carnations.

Now is the time when the carnations should be getting in the good work required of them. If the best results are to be had they must not be neglected in any way whatever. The man that watches and cares for them, looking carefully to every little minor detail is bound to be very near the top in producing fine blooms.

Keep the plants cleaned of all yellow or diseased leaves and at every favorable opportunity give all the ventilation possible, without causing a cold draught. I must say right here the best remedy against red spider and weak stems is fresh air, but the carnation will soon rebel if treated very often to extremes of temperature, therefore do not let your thermometer go much above 60° on bright days, without a crack of ventilation, and in the afternoon, with a falling temperature outside, gradually bring your house down so as to strike the night temperature with a little steam on, as soon as the rays of the sun have left the glass.

The plants will be growing very fast



E. A. Wood, President.



Elmer D. Smith, Secretary.



John N. May, Treasurer.

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now and the stems will need to be tied quite often to keep them good and straight. Do not leave the disbudding until the side buds are half developed, but rub them off as soon as large enough to handle, without disturbing the main bud. Remove all side shoots down to the length of stem required. This will give the main bud, which is the one upon which all depends, all the show possible.

In taking your cuttings it is not a wise plan to entirely strip the plant of everything in sight in the way of a shoot, for this has a tendency to make the flower burst its calyx. It is much better to go over them about every fourteen days, thus leaving the plants something to be working with, without throwing all the strength into the flower.

The beds will be full of roots now and a sharp lookout should be kept, so as not to let the soil dry out, especially when you have to do heavy firing. The beds are liable to get dry at the bottom and still look in good condition on top, so the safer plan is to take a trowel and examine them every little while. When watering do not wet the foliage any more than you can help, except sometimes at the end of the greenhouse near the boiler. You may get a touch of red spider there and then I would advise taking a little salt water, about a 3-inch pot to 3 gallons of water, and give the affected plants a good syringing early on a bright day.

C. W. JOHNSON.

Chrysanthemum Society.

PORTRAITS.

In last week's issue we published the portaits of the members of the Philadelphia, Chicago and Cincinnati committees of the Chrysanthemum Society of America.

In this issue we publish portraits of the active officers and of the members of the New York and Boston committees, completing the list. During the past season Mr. Dailledouze was the only regularly appointed member acting at New York.

CHRISTMAS ROSES.—A display of Christmas roses at the Schenley Park conservatories is causing great interest among the public. Why are these interesting and easily handled plants not more often seen in our parks?

New York.

NEW YEAR'S TRADE MODERATE. — FINE STOCK OFFERED.—CHEAP STOCK SELLS BEST.—PRIZE BOWLING AT FLATBUSH.—A FINE NEW CARNATION.—GARDEN AND FOREST DISCONTINUES PUBLICATION.—LOCAL NOTES.

New Year's business was, as it has been for a number of years, of but moderate size and the official birth of Greater New York, although it furnished occasion for much noise and hilarity on the public thoroughfares did not seem to materially affect the sale of flowers as some sanguine people had been hoping. There was an abundance of stock of all kinds in view, and no special rush on the part of buyers to obtain it. In fact, they held aloof more than is common on ordinary days, with the evident purpose of breaking up prices, which on some lines were based on a sort of timid "me too" arrangement as compared with Christmas rates. A noticeable feature of the stock offered was that the quality was of the best. This applies especially to roses of which the cheaper grades had been well sold out. Closing prices on good stock were low, as compared with anticipations. There is a probability that low prices will prevail all through the present week, but as the weather is very cold a heavy over-stock is not looked for. Carnations maintained their position better than any other flower, but they were not cleaned up as well as hyacinths, lily of the valley, etc., which were taken freely, apparently, because they were cheap, which was just the opposite of the Christmas experience.

The annual bowling and "grab-bag" prize drawing of the Flatbush Bowling Club took place on the evening of Thursday, December 30. Until the last year or two the "prizes" were "surprises" with little value excepting the fun they created at the expense of those who received them. Evolution has been at work in Flatbush as elsewhere, perhaps because of its admission to Greater New York, and this year's trophies comprised all kinds of useful and costly articles from jewelled scarf pins and silk handkerchiefs to gold mounted pipes and silver mounted whisk brooms, the only article in the least amusing being a French talking doll which fell to the lot of Eugene Dailledouze. At the conclusion of the evening's festivities "Papa" Zeller mounted a chair and made a neat little speech, wishing all the boys a happy New Year and expressing the hope that he might be with them again next year, which was received with shouts of approval.

A new star in the carnation line is the Gov. Griggs which is coming in to Raynor's from Jos. Towell of Patterson. It is but little removed from Daybreak in color, but is a more solid and shapely bloom with much better stem.

Many market gardeners and growers of bedding plants are trying Palmer's new hot-bed mats. If, as is claimed by the manufacturers, these protectors are water-proof they will prove very serviceable.

The National Florists' Board of Trade which has its offices at 271 Broadway, reports an evident improvement in horticultural trades all over the country.

Garden and Forest has been discontinued at the close of its tenth volume.

L. C. Bobbiuk has gone on a brief European trip.

E. C. Horan is receiving white lilac of unequalled quality for the season.

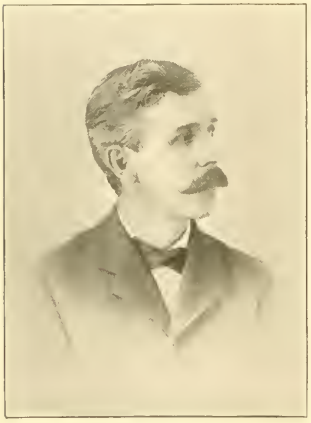
Geo. T. N. Cottam has been quite sick for two weeks.

Yellow jonquils are plenty in market, but they sell poorly.

Boston.

BUSINESS DULL.—LECTURE BY JOHN FARQUHAR.—BEQUEST FOR THE HORTICULTURAL SOCIETY.—A LOVELY CYPRIPEDIUM.—LOTS OF FIRES.—TELEPHONE ECCENTRICITIES.—LOCAL NOTES.

The particular feature of the flower trade this week is its insignificance. The money must all have been spent at Christmas, and the bondholders have not yet realized on their New Year dividends. Out of town orders are more filling than local demands, so the wholesalers say, and the retailers are confining themselves mainly to funeral work, which happens along just now very opportunely. There is an abundance of stock in market, all varieties and all grades, and prices have settled back pretty near where they were when Christmas gave them a boost. It is expected that after a few days, how-



Arthur H. Fewkes.



Lawrence Cotter.



James Wheeler.

THE BOSTON COMMITTEE CHRYSANTHEMUM SOCIETY OF AMERICA.

ever, matters will improve and the regular winter business begin to assert itself. In the meantime all are taking lessons in patience and hopefulness.

The special attraction at the January meeting of the Gardeners' and Florists' Club, which was held on Tuesday evening last, was a stereopticon lecture on "Plant Life in Jamaica," by Mr. John Farquhar. Mr. Farquhar had a very large collection of interesting photographs which were recently taken and the audience, which included ladies, was duly appreciative. Officers were installed previous to the lecture.

The legacy to the Massachusetts Horticultural Society under the will of the late Francis B. Hayes has been decided by the Supreme Court to be valid, and thus a long controversy is ended. The amount that will come to the Society through this bequest is not yet known, but it may amount to two or three hundred thousand dollars.

On Saturday, January 1st, W. W. Lunt was awarded a silver medal at Horticultural Hall for a plant in bloom of Cypripedium bellatulum album. This variety was first exhibited by Sir Frederick Wigan, of East Sheen, England, at the Royal Horticultural Society's exhibition on June 11, 1895.

The schedule of the exhibitions for the year 1898 has been issued and may be obtained from the secretary, Robt. Manning, Horticultural Hall, Boston. The sum devoted to premiums amounts to $8,100. The first large exhibition will be the Spring Exhibition, which will take place on March 22, 23, 24 and 25.

A fire occurred on the night of December 24 at the greenhouses on the estate of Mrs. Peck, at Arlington, which are leased by David Duncan. Loss on building estimated at $500. Mr. Duncan's loss on stock is set at $1,200. Overheated boiler.

The greenhouse of Charles Dean at Roxbury was damaged by fire on the night of January 3, to the extent of about $500. The fire originated in the cellar.

Fire damaged the store of C. R. Dane to the amount of $300 on the morning of January 4.

A pile of coal close to the furnace in the greenhouse of A. Christensen at Stoneham, containing about thirty-five tons, caught fire on the night of December 19. The firemen saved the building and stock.

Be careful on orders coming over the telephone. A telephone order for a floral piece to be inscribed "From the Teachers of the —— School," was interpreted and executed by a local florist as "From the Peaches of the —— School."

Another recent case of a similar character was a design for the "Aldermanic Chamber," but which, when delivered, was found to read the "Automatic Chamber."

Luke J. Doogue, lately in business on Boylston street, has gone into insolvency. Liabilities about $16,000.

Visitors in Boston: S. S. Pennock, Philadelphia, Pa.; M. J. Leach, Pawtucket, R. I.

At the January 15th meeting of the Massachusetts Horticultural Society Mr. John K. L. M. Farquhar will deliver a lecture on "Horticulture in Holland." Stereoptican illustrations will make the lecture very interesting and entertaining.

Chicago.

WHOLESALE STORES WORKING ON SUNDAY.—PERSONAL NOTES.—ATTRACTIVE DECORATIONS FOR A WEDDING.

For the past six or seven years the Chicago retail dealers have made very little preparation for New Year's trade, carrying for that day only slightly more than the average stock. Whether it was caused from the fact that New Year's came on Saturday, and they had to buy their stock on Friday to carry them over till Monday and they had failed to secure a stock sufficient for three days instead of two, or from largely increased sales, all were sold out Sunday morning.

At the wholesale stores Sunday morning, lined up along the counters like a company of soldiers at roll call, were the retail dealers anxious for their turn to be waited on to whatever was left, and if the roll had been called, nearly every retail dealer would have been found either present or accounted for. Retail trade was better all through the week between Christmas and New Year's, much better than usual; New Year's day trade was good and there is a much better trade now than there has ever been since I can remember so soon after the holidays. Heretofore for a week or more after New Year's trade after the rush of the two preceding weeks has seemed to come to a stand-still, very little going on. Since Christmas there has been a steady healthy trade.

The wholesalers report shipping very good and although flowers are coming in more plentiful, still nearly all are being sold, very few are held over.

Andrew Miller of the Central Floral Co., who was at home sick for about two weeks at Christmas, is again at his post behind the counter ready to wait upon all who want anything in the floral line.

Joseph Curran is now with O. J. Friedman, on Michigan avenue and Van Buren street.

Mr. P. J. Hauswirth, 318 Wabash avenue, furnished the decorations for the Seipp-Madlener wedding which took place January 4 at the residence of the bride's mother, widow of the late Conrad Seipp, Thirty-third street and Michigan avenue, which is one of the most beautiful



Eugene Dailledouze.

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in the city. The ceremony was performed in the hall room under a large canopy, decorated with asparagus, dotted with Bridesmaid roses and white doves. All the doors on the parlor floor were draped with asparagus, dotted with Bridesmaid roses. The tables were decorated with large vases of Bridesmaid roses with Asparagus Sprengerii. At the bridal table was another large canopy similar to the one under which the ceremony was performed, under which the bride and groom sat at supper. One hundred and fifty strings of asparagus and 2500 Bridesmaid roses were used in the decoration.

VISITED CHICAGO: H. A. Johns, Sioux City, Ia.; R. H. Shunway, Jr., Rockford; Frank T. Emerson.

Philadelphia.

PRICES LOWER.—BEAUTIES IN DEMAND.—BOWLING AND SHOOTING.—GOOD CARNATION DISPLAY.—REPORT OF EXHIBITION COMMITTEE.

The old year departed this life in one of the most disagreeable days of its existence, the weather was wretched and the cash drawers of the retail florists, oiled up and prepared for quick work, had a comparatively easy time of it. In spite of this great drawback there seemed to be plenty to do, and most of the stores were obliged to keep open all day on the first, which was clear and cold and brought out the shoppers. Prices were a shade lower on carnations and from 15 to 20% off the Christmas rates for roses. Nothing in carnations worth having sold for less than $3 per hundred, with the select going from $4 to $8. Beauties varied with the size from $12 to $75 per hundred, there being but very few of the extras however to be had. For the past six or eight years the glass area devoted to this rose has increased from 20 to 30% each season, but this ever increasing space seems scarcely sufficient to raise enough for the demand, which seems to nearly always keep ahead of the supply.

This is not entirely local, however, as the fame of the Philadelphia grown Beauties has gone out over the land and Washington, Boston, Baltimore, Pittsburg and other large cities draw largely on our market for their supply of this rose. S. S. Pennock now handles more Beauties in a day than used to come to this market in a week. Ed. Reid is also a large shipper and these, with his fancy California violets are making him famous. Fred Ehret supplies the uptown stores in addition to his shipping trade with Beauties. It is a poor retail establishment in this city that does not carry a few Beauties in stock. Violets seemed to sell well at good prices, bringing from $1 to $2 per hundred. If we could only tell the same story about them as with the Beauties, what a satisfaction it would be. Eisenhart, of Holmesburg, is about the only man who gets near the mark, growing some good stock. He makes a business of violets; grows nothing else. There is room, however, for plenty more such growers. Nobody sends us good Marie Louise. Why shouldn't they be grown here as well as up the Hudson?

Robert Craig is able to be about again and has just returned from a short visit to J. N. May at Summit, N. J. W. K. Harris now has a phone and finds it to be a great convenience as do his city customers. Nearly all the large growers are now to be reached by telephone, and from the amount of time saved it is a wonder that this means of communication was not adopted years ago. Exorbitant rates which have recently been reduced was the principal reason. There has been considerable bowling recently, the first event of last week, being a contest for turkeys which were carried away by Brown in the first class with a score 181. The second class prize was won by A. Lutz, score 163, and Charley Cox carried off the third class bird by a score of 144. New Year's day was celebrated by an open house, considerable bowling was indulged in for prizes three in each class. W. J. Baker in the first class put up the highest game, a fine total of 214, but not having declared the game to be for the prize it did not count. R. Kift was first with 203, L. Brown second with 188, and G. Anderson third 185. A. Lutz won first prize in second class with 162, King next 160 and John Walker third with 146. Third class, George Watson, who is always winning something, was first 154, Charlie Kohlert followed with 149 and George Moss brought up the rear making 121. The prizes, the same in each class, were a fine pocket book and card case, a silver match box and a pocket knife. The members of the Gun Club are having their semi-weekly shoot, besides taking part in the large tournament going on between the various clubs of the city. They are very near the top and may win out, which would be a great honor.

Charles H. Fox has succeeded to his father's business, the elder Mr. Fox retiring. Mr. Chas. H. Fox will continue the business at both places at present.

H. Bayersdorfer & Co. have rented space and enlarged quarters in the Novelty Electric Building adjoining their old establishment at No. 56, and their address will henceforth be Nos. 50-52-54 and 56 North Fourth street. The new quarters give Messrs. Bayersdorfer & Co. an enormous area available for storage and the handling of a very extensive stock easily and quickly. The entire establishment is lighted by electricity.

The carnation meeting of the Florists' Club, for so the January gathering may be called, held last Tuesday night, was a great success from a carnation point of view, although the excellence of the display warranted a larger attendance. There were over 50 vases, some with one hundred blooms and nearly all in fine condition. The appended report of the committee on exhibits gives such a good and detailed account that we will not attempt to improve on it, except to say that the president never saw a finer one. Albert M. Herr's essay on the newer carnations was a thoroughly up-to-date paper and contained much that was of interest and value about the divine flower. He received a formal vote of thanks from the club. The display of E. G. Hill from Richmond was of fine flowers which had not carried well for some reason. A vote of thanks to those contributing flowers was directed to be sent by the secretary, who by the way should also have a vote, as to his efforts almost entirely was due the large showing made.

In the discussion of Mr. Herr's paper, Mr. Geo. Stollery of Chicago extended to all an invitation to be present at Chicago at the annual meeting of the Carnation Society February 17th. Mr. Ward, of the Cottage Gardens, thought the proper test of a new carnation was the number of blooms that were returned sold after they were put on the market. What the buying public thought of a flower was the essential point. He kept a close record of what his plants did and the best results was twenty-five to a plant up to January 1. Six flowers to a plant is a good general average for all plants on table up to January 1. Many men throw away a good variety because it did not come up to the great claims made for it by the introducers which would have been profitable if continued with, if so much had not been expected of it. C. S. Swayne of Kennett Square said the carnation belt was up in arms against spider, aphis and commission men. It was very hard to grow fine carnations and he thought that neither storekeepers nor commission men appreciated fine flowers as they should. Wm. J. Baker asked on behalf of the commission men, how much Mr. Swayne got for his carnations six years ago and how much more he got today? Mr. Swayne said that undoubtedly prices were now better but the flowers were finer and had been made so by the grower which had enabled the commission man to develop the prices of today. Mr. Besold and others made remarks.

The following resolution, introduced by Geo. Watson, condemning government distribution of seeds, etc., was passed unanimously:

WHEREAS, We consider the present expenditure of over $100,000 annually by the Government for the free distribution of seeds of ordinary vegetables and flowers to be prejudicial to the best interests of the seedsmen, nurserymen and florists of the country, and

WHEREAS, We also consider this distribution to be a perversion of the original intent of the framers of the law

Resolved, That we petition the national legislature to abolish this free seed distribution, and that no moneys whatever be appropriated for this purpose hereafter, and that the secretary of the club be instructed to forward a copy of this resolution to each of the congressmen from the city and county of Philadelphia, and both the senators from the state of Pennsylvania.

John Westcott is to prepare a paper on blooming plants for Christmas to be read at the next meeting. Thos. Cartledge, on account of his continued illness, asked to be released from the position of treasurer of the club. He has held this so long and conducted it so ably for the best interests of the organization that the resignation was only accepted with the hope that his health would so improve that he would soon be able to accept the post again. Adolph Farenwold who for the past nine years has so ably conducted, in the position of foreman, the establishment of Joseph Heacock has resigned. Here is a chance for any one desiring a first-class man who as a rose grower has proved himself to be one of the very best. Mr. Farenwold is at present undecided as to his future movements and may go into business for himself.

J. Atkinson, of Edgewater Park, is laid up with pneumonia.

Visitors in town: W. Besold, Mineola, L. I.; Mr. Ward, Queens, L. I.; Geo. Stollery, Chicago; C. S. Swayne, Kennett Square; Mr. Weber, Oakland, Md. K.

EXHIBITION COMMITTEE'S REPORT ON CARNATIONS.

Your committee beg to report that the exhibits comprise a long list of well grown varieties, including many novelties, in describing which the committee can scarcely do full justice in the short time allotted to them, and difficulty in properly distinguishing the exact color by artificial light.

R. Witterstaetter, Sedamsville, Cincinnati, O.—Evelina, white; good calyx; good stem.

Wm. Swayne, Kennett Square, Pa.—Empress, dark maroon; large flowers on good stiff stem

Hugh Graham.—Vase of fine blooms of well known variety Victor.

Mr. Fick, amateur, Philadelphia.—No. 14, exceptionally fine large white; with good calyx; compact flower; also Laura E. Doty, pink; Kathryne, white, and Mrs. C. M. Fick, pink.

Stollery Bros., Argyle Park, Chicago, Ill.—One plant and vase of bloom of new carnation, Argyle; plant seems to be clean, healthy grower; flowers produced on long stiff stems; bright dark pink in color; large good shaped flowers.

Collection of seedlings, H. Weber, Oakdale, Md.—A number of which give promise of being first class varieties.

Vase of new rose, Mrs. Robt. Garrett, large, delicate pink, fine form.

Henry A. Niemeyer, Erie, Pa.—Uncle Sam, variegated variety; Pluto, crimson; Goliath, red; Snow Queen, white; Rob Roy, red.

C. F. Baker, Utica, N. Y.—Red Jacket, scarlet; Oneida, good pink; both full fine flowers, and likely to prove good commercial varieties.

E. G. Hill & Co. Richmond, Ind.—Painted Lady, large fine dark pink; exceptionally good; Psyche, variegated white and pink, large and full; Seedling No. 1,000, large pink, full flower. All these varieties are exceptionally fine, with good stems and large blooms.

The Cottage Gardens, Queens, N. Y.—Collection of new varieties, many of which are likely to prove valuable additions to our list of commercial kinds, especially Bon Ton, scarlet; White Cloud, white; and John Young, another good white. Other varieties are New York, crimson seedling; Mrs. Jas. Dean, blush and scarlet seedling; a particularly fine collection in its entirety.

F. A. Blake, Rochdale, Mass.—Vase of scarlet Bon Ton; on strong stems; fine.

E. J. Weaver.—Bird in Hand, white; lightly penciled red; good calyx; gives promise of being a good sort.

C. Besold, Mineola, N. Y.—Two vases and one plant; Mrs. Frances Joost, a large flowered pink variety; on good stems; plant shows a clean robust growth.

Chas. S. Swayne, Kennett Square, Pa.: Sweetheart, white, deeply penciled with red.

Wm. P. Craig, Philadelphia.—Collection of standard varieties; Flora Hill, white, a fairly well known variety of the present day; Victor, pink; Mrs. G. M Bradt, variegated, good heavy stem, large full flower; Harrison's, white; Mayor Pingree, yellow; Lily Dean, large variegated variety; Jubilee, scarlet; Maud Dean, blush, with deep pink center.

John Burton, Chestnut Hill, Philadelphia.—Vase of Alba Superba, large pure white, on long erect stems, well formed globular bloom, will undoubtedly become one of our standard varieties.

F. HAHMAN.
A. LUTZ.
J. W. COLFLESH.

Cincinnati, O.

Our storemen report a very good trade during last week, and on Thursday orders came in freely for New Year's, and a noticeable feature among the retailers was that orders came in earlier this year than heretofore, making it easier to fill orders. A scarcity was felt in blooming plants and more cyclamens and primroses could have been disposed of. There was an abundance of salable foliage plants such as palms, ferns and Rex begonias, although plants did not move as well as in the previous week.

At the beginning of this week our wholesale houses have been doing a fair shipping trade and the outlook for the remainder of this week is very encouraging, several swell weddings and social events are noted to occur.

Mr. Fred. Walz is still confined to his room.

Mr. Anthony Fisher is seriously ill with throat trouble.

Fire broke out at 1 a. m. New Year's night in Julius Baers' basement, burning and scorching the entire fixtures in the store above. The damage to cut flowers was not great, as the ice box in which all flowers were stored away for early delivery was not injured. The fire was caused through some electric wires in the cellar. Fixtures were fully covered by insurance.

H. SCHWARZ.

St. Louis. Mo.

MARKET REVIEW.—CUT FLOWER TRADE.—PERSONAL.—CLUB AND BOWLING NOTES.

The new year was ushered in with receipts very light and trade correspondingly low. The weather has not been very favorable for trade. The retailers, however, say that they expect lots of trade for January, as it is a month devoted to all kinds of festivities, and all of them have booked ahead large orders for decorations, receptions, balls, etc. Owing to the cold weather we have had during the past week the death rate has increased to such an extent that for some days the retailer was at a loss where to procure his stock for funeral designs. As far as we could judge all dealers were satisfied with their holiday trade, as orders were plentiful with lots of stock to select from.

American Beauties continue to be off crop, and receipts very light. Meteors still continue to be scarce in this market and are selling higher than any other flower; Brides and Maids are plentiful and of fine quality; Carnots continue to be scarce and demand increasing; Perles are also scarce in this market; La France are improving and find ready sale; Woottons are very poor stock, consisting mostly of nubbins.

Harrisii lilies were in better demand and selling readily. Callas were sought for funeral orders this week and the market cleaned up. Romans sold readily at good figures. Narcissus were poor and neglected. Asparagus and adiantum ferns sold well. Smilax was in good demand and supply was plentiful.

Carnations are still in good demand and receipts are very light. The expected glut in this article has not yet materialized, and carnations are selling higher to-day than the average rose stock.

California violets are very scarce in this market and always command a good figure. Double violets are arriving more plentiful, but the dealer neglects this variety if he can secure the Californias. There are only a few southern violets in this market and sell very readily.

Ayres Floral Co. were deluged with funeral orders this week in addition to several large decorations and their regular trade were well satisfied with the beginning of the new year.

Chas. Schoenle, of Washington avenue, had several large decorations during the week and reports a good trade with plenty of big decorations in sight for January.

The regular meeting of the Florist Club will be held next Thursday, January 13, and a big attendance is requested, as business of importance will be transacted. There will be some important essays read that will prove instructive to all. The club will also set a date for its annual smoker, which is looked forward to by both the old and the young members.

There was a full attendance at the Bowling Club and some high scores were made. High man for three games: Kuehn 587; Kunz, second, 530; Sander, third, 528. Single high score: Kuehn, 228; Kunz, 218; Sander, 200. A. J. B.

Buffalo.

This is the time when people are supposed to "swear off," turn over new leaves, form new resolutions, etc. As to Buffalo, I am happy to say that, so far as the florists are concerned, there is no need to worry about them, for they are on a pretty high moral plane now. However, it is possible that they, like others, have learned somewhat from the experiences of the past year, and there may be room for some good resolves of a purely business character. Of course the most important of all is to resolve to renew their subscriptions to the AMERICAN FLORIST promptly and to induce everyone in the trade to subscribe at once. This done, the country is safe for another year. The carnation growers might resolve away the "rust" and the violet growers the "disease." In fact, if you will stop to think a moment, there are doubtless many other things that might be corrected by proper resolutions. After making out the January bills you will have plenty of time, while the money is coming in, to fix up all such matters.

New Year's Day is not what it used to be anyhow. The good old-fashioned custom of making calls has fallen into "Innocuous desuetude" and consequently the demand for button-hole bouquets and table decorations is not so good as formerly. There are, however, a few more formal functions that are occurring about this time that help business out. And there is a sort of echo of Christmas in the air, as, for instance, Long's floral calendars and short-stemmed tulips. The trade for the week has been fairly good, considering that everyone connected with the trade was worked out and sold out at Christmas. Having interviewed everybody that would stand it, I have yet to hear any complaint in regard to the holiday trade. The carnation growers struck a regular Klondike. Altogether there is a good prospect for a happy new year.

Old-fashioned winter weather prevails, and coal is falling rapidly. The weather has been rather dark though and blooms open slowly.

The park rinks are crowded with skaters, among whom an occasional florist is seen.

The Park Commission is again wrestling with the plans and specifications for the conservatories at the Botanic Garden, and it is hoped that the matter will be settled soon. The trouble has been that the money available is not quite sufficient to build the range according to the accepted designs. It would be a great pity to be obliged to alter the present plans, which provide for a very handsome and complete range of houses.

Scott had one of the biggest jobs of the season so far, the decorations for the Buffalo Club reception, which came off during the past week. It was very elaborate.

Another item of business was the decoration of the Mayor's office for January 1. The office was nicely decorated with palms and foliage plants, and the floral work was copious. It would seem that several of our store men had a slice.

We had a short though very pleasant visit during the week from Mr. E. M. Hoffman, one of Elmira's leading florists.

C.

San Francisco.

CHRISTMAS TRADE REVIEW.—ACCIDENT TO E. W. M'CLELLAN.—SUCCESSFUL FLORISTS' BALL.—NEWS NOTES AND VISITORS.

Trade in this city for Christmas and the holidays was very good indeed. Good prices prevailed everywhere, but there was a noticeable scarcity of good stock, in fact all stock was scarce; roses were in great demand and brought very fine figures. Brides and Maids of first quality brought $1.50 per dozen, and second class stuff brought $1. A much larger quantity could have easily been disposed of at the same figures. Beauties were scarce and the quality could have been improved upon; they brought fancy prices. Some very good Kaiserins were to be seen, and they brought about the same figure as Brides. Not many Testouts were to be had. There was also a scarcity of Perles. Violets seldom, if ever, were so scarce as this season. This is undoubtedly due to the fact that we are now experiencing the heaviest and longest siege of frost since 1876. The weather is extremely cold and has done much damage to outside stuff. The orange crop in the southern part of the state has also suffered severely. As for violets Marie Louise was by far the more plentiful and brought $2 per dozen bunches. Californias and Princess of Wales were very scarce and up to the present time of writing the scarcity continues. They will probably be scarce now until we have a rain. Carnations were also in heavy demand, with a short supply, and prices ranged accordingly. Scott was the leader, closely pressed by Daybreak and Portia. Some very excellent Flora Hills were to be seen, and I am informed they brought very fancy prices. Uncle John and McGowan were sent into the market in fine shape by Sidney Clack. Carnations as a rule brought from 35 to 50 cents per dozen. Roman hyacinths sold very well this season, in fact we could not get enough to supply the demand. The average price received was 50 cents per dozen. Paper White narcissus also brought a fairly good price. There were few if any chrysanthemums. A few Illuminator were to be had, but of very inferior quality.

Smilax and all green sold well. Large quantities of red berries were brought in from the mountains in the adjacent counties, but did not bring a high price.

Funeral work has also been active in this city on account of the death of several prominent citizens.

The sales of potted plants was about equal to that of former years, but there was a noticeable absence of palms in salable sizes.

Mr. J. G. Morley, of the Redondo Floral Co., was in this city last week looking at our methods of carnation culture. Mr. Morley has about ten acres of carnations at his place in Redondo Beach, all grown outside, and he says some are much finer than the blooms grown under glass in the vicinity of the city.

Mr. Chas. Navelet, of San Jose, spent several days last week at his new store in Sacramento, and reports trade as very good in that city.

Mr. E. W. McLellan, of Burlingame, was severely burned by an explosion of steam last week. Mr. McLellan together with Mr. Chas. Mitton was repairing a pet-cock in one of his rose houses, when it flew out of the pipe burning his hands very severely and also scalding Mr. Mitton's face. It will be some time before these gentlemen will be about again as the result of the accident.

Mr John Gilmore has resigned his position as foreman of the rose-growing establishment of Mr. A. Pottet.

Mr. Lester L. Morse, of C. C. Morse & Co., has returned from an extended Eastern trip and reports the prospects for the seed trade as good.

Mr. Tom Landrum, of C. C. Morse & Co., was in this city during the week.

Mr. H. Seulberger, of Oakland, went down to Menlo Park on a business trip last week.

Mr. Paul W. A Grallert, well known as a carnation grower, had some of the finest Flora Hill carnations for Christmas that ever have been brought into this market. In fact they were so large that he received $1 per dozen for them, which is considered a very high price in this city. This carnation has done splendidly with most of our carnation growers and next season will see a large quantity of it planted.

The florists' ball which was given recently was both a social and financial success, and to the management is due much credit for the way it was carried out.

J. M Kimberlin, the seed grower who has been in the East, returned accompanied by his nephew.

This season quite a lot of holly was shipped down from Oregon. The quality of the stock was very good, and it brought a very good figure in this market.

The shipping trade to Oregon, Utah, and Washington was much short of what it was in former years. This is probably on account of the great scarcity of flowers in this market. Several of our leading growers report a heavy demand for stuff, but say that the supply was not at all equal to the demand.

Mr. M. Lynch, of Menlo Park, has just completed the planting of 75 acres of sweet peas.

Mr. Jas. Johnstone has resigned his position with E. W. Hopkins, Esq., at Menlo Park

Misses Cecelia M. Head and M. Allie Chase have opened a flower store at 9 A Stockton street to be known as the "Las Palmas."

The suit of John H. Sievers vs. City of San Francisco, which has been pending in the courts now for several years, has at last been decided in favor of Mr. Sievers, and the sum of $3,500 damages has been awarded him.

Mr. Arthur Cann, manager of the Garden City Floral Co., of San Jose, was in town during the week. He reports the Christmas trade in San Jose as very good.

Mr. W. H. Talbot, of Redwood City, is erecting a fine greenhouse on his premises.

Frank Pelicano & Co. had an unusually fine display of orchids in their windows during Christmas week.

Mr. K. S. Murray was a visitor in town last week. METEOR.

Toronto.

LOOK OUT FOR THE PALM SELLER.—TRADE NOTES.—OPPOSITION BUSINESS BY THE GOVERNMENT CONSERVATORIES.

Some of the boys here have been watching the FLORIST for the last few weeks to see the report of a certain enterprising traveler having been more fully identified by the trade in the cities favored by his visits. I refer to the individual who has been dealing in palms in Detroit, Toronto, Buffalo and probably other cities, not yet heard from. There seems little or no variation in his methods, and it is somewhat surprising that he has not "struck a snag" before now. Let us hope that he may meet his Waterloo soon. His victim here was Cotterill from whom he obtained about fifty dollars worth of palms and sold them at a small percentage of the value. Fortunately the police here have been able to recover nearly all the stock from the persons, who purchased it, so that Cotterill really loses very little.

Christmas here seems to have been about the same as last year, so far as I have been able to learn. Cut flowers were all sold and more could have been sold at the same prices as last year, with the exception of roses, which for some reason were somewhat cheaper.

Plants of the right kind seem in favor. Is there not a point here not sufficiently observed by the trade? It is next to impossible to control the supply of cut flowers, so as to meet the demand at moderate prices at this season, but would not the same skill and pains that are put forth to get more cut flowers, if applied to growing choice plants, produce more satisfactory results. There are any number of plants that could be grown and regulated, so as to be in good condition, at the right time, much more easily than roses, carnations, etc. As a very large percentage of the stock sold by florists at Christmas is sent out as presents, it should not be very difficult to divert the attention of buyers from the cut flower counter to a really fine display of plants, varying from the humble mignonette or primula, to majestic kentia, giving sufficient scope in prices to meet the purses of all lovers of flowers.

The florists here can sympathize with their Washington brethren in their discomfiture in the matter of the opposition business done by the Government Conservatories. It was ever thus. The public official, who has, through a systematic misdirection of the public resources, made sufficient friends among influential persons, becomes so entrenched, that to correct the abuse is a matter of extreme difficulty to be undertaken only by a person having no other business and prepared to make a nuisance of himself for an indefinite period. TORONTO.

Omaha.

HOLIDAY BUSINESS.—JOHN BATH NOW WITH A. DONAGHUE. — PARK COMMISSIONERS PUT UP ANOTHER HOUSE.

Now that the holidays are something of the past, and we have had time to right ourselves and remove some of the holly thorns that found hiding places in our fingers during the rush, and upon looking over the sales we find a neat credit to merchandise account, much larger than for several years past. Prices advanced about a hundred per cent on the Monday preceding Christmas and a few utterances of "Robbery!" were heard from some of the summer patrons.

Roses sold out clean at from $1.50 to $2.50; Beauties, $6.00 to $12.00; carnations, 50 to 75 cents; Romans and Paper White moved slowly at 50 cents; the last of the 'mums were wiped out and sold fairly well at 75 cents and $1.00 per doz.; violets were very scarce, but those sold brought $2.00 and $2.50 per 100.

The holly and garland trade was also very heavy. Good holly could not be got at any price Friday (24th) afternoon; the demand for this stock was so much heavier than expected that no one was prepared for it, and good stock could not be had from the commission houses here, they had plenty of the southern holly, which was not a good color and poorly berried.

Business, as a whole, was somewhat different from that of former years.

December, until about the 20th, was very quiet, and some of our dealers, who are inclined to look at the dark side of things, made predictions for a very quiet Christmas, but by Wednesday we were "up to our chin" with work, and orders coming in by the basket. Christmas Eve found us all willing to admit there was a great deal of truth in the old saying "There's no rest for the wicked." By Saturday noon almost all were sold out and had closed up shop and gone home to gaze at old Santa's donations.

New Year's business was far below that for Christmas, although this was also heavier than expected, with prices about 25 per cent lower. Palm sales were not quite as numerous as in 1895 and 1896, although a great many ferns, small plants and azaleas found a market.

John Bath, who has been with Hess & Swoboda for a number of years, has accepted a place with A. Donaghue.

The park commissioners found it necessary to put up another house at Hanscom Park to accommodate the large plants which were given to the city last fall by Mr. Herman Kountze, also those purchased of Mr. W. J. Hesser of Plattsmouth. G. R. H.

Rochester, N. Y.

TRADE GOOD AND PROSPECTS BRIGHT.—INTERESTING ORDER BY MAIL.

The supply of cut flowers of every description all through New Year's week was short, much more might have been disposed of because the demand was rather brisk every day in the week, not only was the ordinary everyday trade very lively, but social events crowded each other in close succession and most of these called for more or less elaborate decorations, so that all stock coming to market was eagerly bought up by the dealers at good stiff prices. When Friday came, none of our florists had a very large stock of cut flowers on hand, consequently everybody sold out clean long before noon on New Year's day. The week may be set down as a very busy one and growers as well as retailers have every reason to be satisfied with their earnings. It is true that the regular New Year's trade of late has declined year after year, yet a fair amount of orders may still be looked for on that day with certainty, and quite a lot of stock is disposed of here. As flowers were scarce, plants were pushed to the front whenever possible, there was a limited number of azaleas in most of the stores, they all found buyers, begonias, primroses and a lot of cyclamens and cinerarias were there in quantity and quite a number of medium sized palms were also disposed of.

The present week, the first in the new year, started in very promising, the demand is good all around so far, the only obstacle to overcome seems to lie in the difficulty of obtaining an adequate supply of stock, but now as the days grow longer we may also expect more sunshine and the scarcity of flowers is not likely to continue much longer. Our florists look with increased confidence to a possible revival of prosperity, encouraged by the present bright outlook, although there are some doubting Thomases among them, who give it as their opinion, that the splurge will only be of short duration. Let us hope that these parties are in the wrong and that our trade will be booming once more in 1898.

A munificent mail order astonished one of our florists one day last week; it came from a generously disposed lady in one of the towns of this state and read as follows:

"DEAR SIR.—Will you please send by return mail, so they shall reach me here on Monday afternoon at the latest, some red roses, pink ones and some yellow. I enclose here 12 cents. Yours respectfully,

Miss L. V. D., W—, N. Y."

Two cents postage was taken out and the remaining 10 cents were returned with regrets, explaining that roses were a little scarce at present; they were selling at $3 per dozen and for this reason it was impossible to accommodate her this time. K.

ONEIDA, N. Y.—The greenhouses of Frank Paige, located at the western limit of the village, were badly damaged on the morning of December 28, by the explosion of a steam heater.

Catalogues Received.

Wm. Toole, Baraboo, Wis., pansy and other seeds. Jos. H. Dickerman Seed Co., St. Louis, Mo., seeds, implements and fertilizers. Texas Seed and Floral Co., Dallas, Texas, seeds and plants. Green's Nursery Co., Rochester, N. Y., fruit and ornamental trees. Vilmorin-Andrieux & Co., Paris, France, tree and plant seeds. John Peed & Sons, London, Eng., seeds.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1898 will receive on request a coupon for one five line want "adv." free, to be used at any time during the year.

SITUATION WANTED—In east by florist, seven years' experience single, 26; good references. Address J H A, Shippensburg, Pa.

SITUATION WANTED—By a competent store man, late with Freidman; reference given by Chicago wholesale florists. R A, care Am. Florist

SITUATION WANTED—By practical florist; 10 years' experience with leading growers; good grower, well up in floral work; references. Address FRANK, care Am. Florist.

SITUATION WANTED—By A No 1 decorator and maker-up; 10 years' experience; first-class reference: ready at once. Address P. O box 236, Canonsburg, Pa.

SITUATION WANTED—By an all-round up-to-date man; first-class grower, references; no one horse place need apply. FLORIST, 310 Foote Ave., Jamestown, N. Y.

SITUATION WANTED—By an experienced grower of roses, violets, 'mums and all-round stock; best reference, 14 years experience single, age 29. German. H. URBIN, 79 Howe St., Chicago.

SITUATION WANTED—A competent seedsman wants situation with a reliable seed house; can speak Dutch, German or English; correspondence solicited. H. care American Florist.

SITUATION WANTED—By an A1 grower of roses, carnations 'mums, etc, as working foreman of commercial place; age 27, single best of references. Address E H, care American Florist.

SITUATION WANTED—By an experienced grower of roses carnations, 'mums etc., to take charge of commercial place; age 27, single; strictly temperate; steady position. Address B, care American Florist

SITUATION WANTED—By an experienced grower, designer and cut flower worker; commercial or private place; married, no children, age 40; state wages. Address J K P, 411 W. 6th St., Elmira, N. Y.

SITUATION WANTED—Gardener, long experience in all branches; good cut flower, palm and fern grower; single, German; understand thoroughly steam and hot water boilers; references; state wages. GARDENER, 20th & Market Sts., St. Louis, Mo.

SITUATION WANTED—By German American, first-class grower of roses, carnations and orchids, married, age 28; best references, 12 years in two large places; state wages; will be at liberty February 1. Address CATTLEYA, care American Florist.

SITUATION WANTED—By single man, age 31 years, 13 years' experience as gardener or assistant in a large private place; first-class reference. Address MATTHEW ALEXANDER, care John Hackett, 62d and Buist Ave., West Philadelphia, Pa.

SITUATION WANTED—By German, single (24), as assistant on large commercial or private place; has had some good experience in all branches of the business; best of references; New York or Connecticut preferred. Address P. O. box 828 Naugatuck, Conn.

SITUATION WANTED—By a competent man as foreman; good propagator and grower of roses, carnations, vio ets, etc; also excellent in cut flower work; eastern retail place preferable; good references, age 26, wages $50 a month Address PURO, care American Florist.

SITUATION WANTED—As foreman or manager in large commercial place by a first-class grower of roses, carnations, 'mums and general stock; life experience, married, age 36; has been foreman in large establishments for the past ten years; only reliable parties who wish a first-class man need answer; best of references Address ROSE GROWER, care American Florist.

SITUATION WANTED

in retail store, by young man, 25, single, well up in cut flower work and decorating, good knowledge of plants and greenhouse work in general. Quick in making and designing floral pieces. Distance no object.

W. S., care JOS. KIFT & SON, 1725 Chestnut St., Philadelphia.

WANTED—Begonia Countess Louise Erdody, 2½-inch Address BEGONIA, care Am. Florist.

WANTED—The address of Carl Jorgensen, Dane. Amager. Address L. JENSEN, South Butte, Mont.

WANTED—Competent man to grow roses for the cut flower trade; also man for general greenhouse work. Address Box 577, Peoria, Ill.

WANTED—First class rose grower; one capable of taking charge; one familiar with growing catalogue stock preferred; state wages expected. Address A B, care American Florist.

WANTED—To rent about 400 running feet of modern houses, near New York City, suitable for roses; give full particulars. GROWER, box 215, Madison, N. Y.

WANTED—Partner in Chicago, with $1,000 cash, to take half interest in well established, paying florist and greenhouse business; experienced man preferred. Address L F, care American Florist.

WANTED—Partner with $1,000 cash, or for sale; by a party having built some new greenhouses, to enlarge the plant; also four lots 25x125 feet, near Chicago. Please answer in German or English. Address C B, care American Florist.

WANTED—A thoroughly reliable, experienced grower as well as business man, who, after proving satisfactory, would go in as a partner in a commercial place of about 25,000 square feet of glass; only an A No. 1 man in every respect need apply Address CHRIST. HANSEN, St. Paul, Minn.

WANTED—A good all-round grower of general stock with $500 cash to take charge of the business. Money secured, with 5 per cent interest, first mortgage; steady situation; give references and state salary expected with or without board. Address R H, care American Florist, Chicago.

FOR SALE—Greenhouse plant of 5,000 feet of glass in Jamestown, N. D; price $1,500; ⅓ cash, balance may be paid in cut flowers. Address W. W. SEEKINS, 921 E 3rd St., Duluth, Minn.

WANTED, TO SELL OR EXCHANGE.

About 200 pounds Sago palm stems, small and medium size $9 per 100 pounds 100 to 200 prepared Sago Leaves, 2½ and 4½ ft., $7 per dozen, assorted, or $50 per 100, assorted Will exchange for Ferns, Palms and Florists' Supplies. Address PALMS, care American Florist.

FOR SALE

or rent with privilege of buying—established greenhouse property consisting of four houses about 100x25 feet each; boiler house and pack rooms; 12-room modern dwelling, two acres land; 10 miles from Philadelphia, near R. R station, steam heat; splendid chance for right party. JOS. T. SULLIVAN, Moorestown, N. J.

FOR SALE.

At less than half its cost, or for rent, about 28,000 square feet of glass with grounds and modern 12-room dwelling, built a year and a half ago; greenhouse nearly new, all heated by steam, well stocked and in good order; located on street car lines between St. Paul and Minneapolis, and a well paying wholesale business established. A splendid opportunity for a good live man. Sale price, $10,000; rent $150 per month. If you mean business, address CHRIST HANSON, St. Paul, Minn.

FOR SALE.

Greenhouses in one of the best cities in Wisconsin. A good investment and a money maker for a hustler. Owner must retire on account of poor health

For particulars write ELLIS & POLLWORTH, Milwaukee, Wis.

San Jose, Cal.

Christmas trade was never better than this one just past. There was a great scarcity of all flowers, with the possible exception of carnations. Violets were decidedly scarce, and brought fine prices, as also did roses. Hyacinths and narcissus were much in evidence, but all were sold out completely. The prices realized were much higher than those of former years. There was not much of a demand for palms or potted plants, but holly and red berries sold fairly well.

Chas. Navelet's large store had a splendid appearance during the holidays. He had a fine window display of palms and ferns, and says he is very well satisfied with the amount of trade done.

Mr. G. Lehmann, the carnation grower near Oak Hill Cemetery, has a very large crop of carnations on at present, and being of a fine quality, is obtaining good figures for them.

Mr. E. Bourgnignon's roses were in splendid condition, and his cut was very large. He also had a large quantity of carnations and bulbous stock, for which he says he had a heavy demand.

The Garden City Floral Co.'s pretty store on San Fernando street had a very excellent display of plants and cut flowers. Arthur Cann, the manager of the company, informed me that trade was splendid, but says he could not get enough stock to supply his customers.

Mr. Tom Landrum, of C. C. Morse & Co., was in town during the holidays.

Mr. C. C. Morse spent several days in Gilroy last week looking over his extensive seed farm. The weather has been fine for the seed grower. The rain has kept away and given the growers a chance to plant their crops early. I am informed that the growers who did not contract for their onion bulbs last season will have to go without any this season, as they are bringing $2 per sack in the open market. METEOR.

Polypodiums.

Taking the large number of species now included in this genus, there are comparatively few that are useful for florists' work, though a great number are desirable where anything like a collection of ferns is grown. There are also some which though not showy as pot plants, are very serviceable for the rock fernery, or for covering rough walls. Most of the polypodiums have spreading rhizomes and may be propagated by division, but those extensively grown for market are raised from spores. And I find many of the choicer sorts may also be had from spores, and make much better plants than divisions Some time ago I raised a fine batch of P. nigrescens and they are quite nice plants for 5-inch pots, but I find it difficult to get good plants from divisions, or from any that have once become stunted. The broad pinnate fronds are of a deep green, with a bright surface, the stipes (or stalks) are almost black, hence its name. A curious characteristic is the spore cases are sunk as if they had been pinched in, and the surface of the fronds show regular lines of protuberances like knots.

I lately met with a variety called terminale which has some resemblance to the above, but the spore cases are not sunk, the fronds are also of a thicker texture. Seedlings which have come freely seem likely to make compact, useful plants. P. musæfolia, we do not often see seedlings of this. I find that we now have quite a large batch, which are growing away freely and should make useful plants. P. subauriculatum, perhaps better known as goniophlebium s. may be raised from spores, and though it takes some time to make good plants; they are very effective, especially when grown in suspended baskets. I have seen the long drooping fronds used effectively when cut. They are particularly adapted for the tall trumpet vases when used for chrysanthemum blooms.

Polypodium aureum is too well known to need any description, but I may mention that when two or three seedlings are grown together in the same pots they flourish much better, and do not get so tall and straggling. The variety glaucum, which has a more distinct blue tint, is of smaller growth; it does not come so free as the type but it is worth persevering for, as it makes a very distinct and pretty plant. Sporadocarpum is similar to the above but has slender rhizomes and the fronds stand erect, while glaucum has quite a drooping habit. P. plumosum is a distinct little species, the deep green pinnate fronds grow nearly erect, and have a pretty curve, giving them a feather-like appearance. My previous experience of this has been from divisions, and I have found it rather slow and delicate; but a nice batch of seedlings now coming on seem to indicate more vigor, and they may prove much more useful than those from divisions. A. pectinatum is of similar habit but makes much larger fronds. Both of these succeed best under cool treatment.

P. Mayenianum (perhaps better known under the name of Aglaomorpha m.), also called the bears-paw-fern, is a noble looking fern; when well grown, the stout rhizomes are thickly covered with brown woolly scales. The lower portion of the fronds are pinnatifid and of a thick shell-like texture, the upper portion when fertile is pinnate and much contracted. It comes freely from spores but is very slow, and requires some skill to grow it successfully. If once plants get stunted they are far from being handsome, but when well grown it is one of the most attractive ferns we have. It should be grown in suspended baskets, or shallow pans will suit it better than pots, as it requires some surface to spread over and does not root deep. P. heracleum, the barren fronds much resemble those of the last named, but when fertile the spore cases are dotted over the entire under surface of the broad pinnules and the rhizomes are not so conspicuous.

A great many distinct species might be referred to and may be equally worthy as those named above. And I think many of them get neglected, and are not seen in good condition, consequently are condemned as being useless, but grown on freely and kept clean they have quite a different appearance Over-potting and over-watering are two evils which often occur. Most ferns with spreading rhizomes do not root deep, therefore plenty of drainage should be used, and shallow pots or pans are preferable, especially for the larger specimens. A. HEMSLEY.

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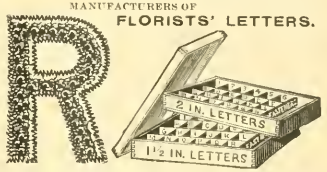
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" La France		4.00@ 8.00
Carnations, common		1.50@ 2.50
" fancy		3.00@ 5.00
Violets		1.00@ 1.50
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" Morgan, Cusin	2.00@ 5.00
Carnations	1.00@ 2.00
" fancy	2.00@ 4.00
Valley	2.00@ 4.00
Hyacinths, narcissus	1.00@ 2.00
Mignonette	3.00@ 8.00
Violets	1.00@ 1.50
Harrisii	8.00@10.00
Smilax	6.00@ 8.00
Cattleyas	.35 0@40.00
Cypripediums	8.00@10 00

BOSTON, Jan. 6.

Roses Beauties	.25 00@75.00
" Perle, Niphetos	2.00@ 4.00
" Bride, Bridesmaid, Meteor	4.00@16.00
" Carnot Morgans	6.00@16 00
Carnations, ordinary	1.00@ 2.00
Valley	2.00@ 4.00
Violets	.75@ 1.00
Hyacinths, narcissus	1.00@ 2.00
Cypripediums	8.00@10.00
Smilax	8.00@10.00

PHILADELPHIA, Jan. 6.

Roses, Beauties	.25 00@75 00
" Teas, firsts	10.00@12 00
" seconds	4.00@ 8.00
Carnations	2.00@ 4.00
Valley	3.00@ 4.00
Violets	.75@ 1.50
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Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday

Address THE AMERICAN FLORIST CO., Chicago.

Fuchsia Photographs.

We desire to call attention to an offer made by one of our contributors under an article on fuchsias which appears elsewhere in this issue. The fuchsia is one of our most decorative greenhouse plants when well grown, and certainly it has been far too much neglected in the past. The late C. M. Atkinson used to exhibit some good specimens at Boston, and we know that creditable plants are not difficult of production if the cultural details are given ordinary attention.

The plan of awarding a prize to the best fuchsia photograph sent to this office is therefore cordially endorsed by the publishers of the AMERICAN FLORIST. We shall reproduce the most meritorious photos in our columns as they come to us through the year, and at the end of the current year Prof. Cowell of the Buffalo Botanic Garden will select the prize winner from the plants thus illustrated. Prof. Cowell's decision shall be final.

Camden Has a Grievance.

Mr. Watson's article in a late issue classifying Camden along with New York and Washington as a slow town has called forth a vigorous remonstrance from one of its citizens He says: "I want you to take back what you said about Camden. It is the only town I could make any money in and I object to having the city of Camden classed with such towns as New York and Washington."

We apologize. Camden is all right. Everybody knows it. We were about to write Mr. Watson a very severe letter in regard to this matter when the thought struck us to examine his copy and lo! the mystery was explained. Mr. Watson had written Baltimore and the stupid printers had blundered.

N. B. If Baltimore objects we may have to examine that copy again. We propose to keep on the right side if we have to ruin the character of every compositor in the office Up to date neither New York nor Washington has said a word.

W. A. McFADDEN,

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Roses, Beauty select	40.00@75.00
" " medium	25.00@40.00
" Brides	6.00@ 8.00
" Bridesmaids	6.00@ 8.00
" Meteors	8.00@10.00
" Perles	4.00@ 6.00
Carnations	2.00@ 3.00
" fancy	4.00@ 5.00
Valley	4.00@ 5.00
Romans	3.00
Narcissus	3.00@ 4.00
Violets	1.50
Smilax	12.50@15.00
Adiantum	1.00
Asparagus	50.00

ST. LOUIS, Jan. 6.

Roses, Beauties	25.00@50.00
" Meteors	5.00 10.00
" Brides, Bridesmaids	5.00@10.00
" Perles	3.00@ 5.00
" Carnots, La France	4.00@10.00
" Wootton	2.00@ 4.00
Carnations	3.00@ 6.00
Violets, California	1.50
" single	.40
" double	1.50
Harrisii, Callas	10.00@15.00
Narcissus, Romans	2.00@ 3.00
Smilax	10.00@15.00

BUFFALO, Jan. 6.

Roses, Beauties	25.00@75.00
" Brides, Bridesmaids, Meteors	8.00@15.00
" Mermets	8.00@12.00
" Niphetos, Perle	5.00@ 8.00
" Kaiserin	12.00@20.00
Carnations extra	3.00@ 4.00
" ordinary	1.50@ 2.00
Valley	3.00 @ 4.00
Violets	1.25@ 2.00
Mignonette	4.00@ 5.00
Romans	3.00@ 4.00
Harrisii per dozen	1.50@2.00
Smilax	12.50@15.00
Adiantum	1.00@ 1.25

MILWAUKEE, Jan. 6.

Roses, Beauty, per dozen	1.50@5.00
" Brides, Bridesmaids	6.00@ 7.00
" Perle	4.00
" Meteors, Belles	6.00@ 7.00
Carnations	3.00
Violets	1.50
Romans	2.00
Valley	3.00
Stevia	1.50
Common ferns	.20
Maidenhair	1.00
Freesias	4.00
Smilax	12.00

Cut Flower Price Lists Received.

We are in receipt of cut flower price lists from the following firms: Kennicott Bros. Co., Chicago; Bassett & Washburn, Chicago.

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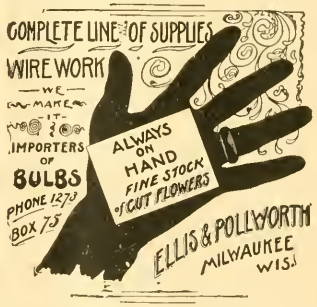
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TRADE INCREASING.—ENLARGING A SEED STORE.—MONTHLY MEETING OF THE CLUB.

The store men are pleased with this year's holiday trade, reporting an increase from 15 to 25% over last year The growers also are well satisfied as far as prices are concerned, but most of them were very short of flowers.

The greatest demand being for cut flowers; their scarcity and high price helped to increase the sale of pot plants; although blooming plants sold better than last year, it is evident that the demand was not as great as expected, as many of the florists have quite a number of plants left over.

In holiday greens the florists had so many competitors and prices were so low that it did not pay to handle these goods.

With the Bertermann Floral Company pans and baskets planted with bulbous and other blooming stuff and ferns cut quite a figure in their sales.

Wiegand & Son report a large increase in the sale of palms.

Henry W. Rieman is very well satisfied with the behavior of his roses, two of his houses were in full crop at Christmas. With these and a good supply of carnations he had to buy but very little in the cut flower line.

John Heidenreich, our leading market man, shows an admirable ability to have the right thing at the right time. He had ready and disposed of a big lot of azaleas, a large patch of lilies of the valley, and a few hundred chrysanthemum blooms, besides a general assortment of plants and cut flowers.

Huntington & Page are engaged in overhauling and enlarging their quarters on Market street. Indications are that when the work is finished they will have one of the finest seed stores in town.

The monthly meeting of the club was held last night at Thron's place. A resolution was passed and forwarded to the Board of Public Works urging that body to employ a city forester, who is to take care of the trees in the city of Indianapolis. "She is not a bit too shady," and therefore such a man is highly desirable.

R. Witterstaetter, of Sedamsville, O., sent a sample lot of his new white carnation Evelina, which was greatly admired by the members of the club. Several of them intend giving it a trial next year.

J.

Chrysanthemum Merry Christmas.

In this new late white variety the F. Dorner & Sons Co. seem to have produced a good thing. Sample blooms received a few days since were in excellent condition, showing no trace of the flabby limp appearance so common in chrysanthemums cut at so late a date.

The flower is a reflexed white about 5½ inches in diameter, form, stem and foliage good, with plenty of substance to the flower. The fact that it is in perfection for Christmas and New Year's should make it valuable.

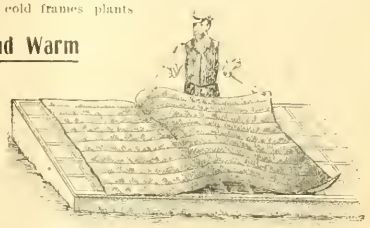
BELOIT, WIS.—Christmas trade has been good, nothing left over. Our own stock brought the money, commission stock sold at cost, and glad to dispose of it. Blooming plants sold well. There was a large wedding decoration on New Year's day at the Goodwin house, palms, ferns, etc., were used, also lots of green wreathing and holly. Extra electric lights were put in and hidden between holly and palms, then the windows were darkened

Palmer's Hot Bed Mats

FROST PROOF

Made expressly for winter covering of hotbeds, cold frames plants and seeds of all kinds.

Indestructible, Cheap and Warm



WILL not harbor mice or vermin. Easily handled. Dry out quickly after rain. Have now been in practical use three years. Cost less than old-fashioned straw mats and entirely take their place.

MADE IN FOLLOWING GRADES:

No 1 **Burlap Cloth,** filled with combination wool and quilted, seams 3 inches apart and edges firmly bound.

Size 40x76 inches, 50 cents each.
" 76x76 " 75 " "

Made any length, 76 inches wide, at 12 cents per running foot.

No. 2 **Duck Cloth** outside, filled and quilted same as No. 1.

Size 40x76 inches, $0.75 each.
" 76x76 " 1.00 "

Made any length, 76 inches wide, at 16 cents per running foot.

No 3—**Waterproof,** made of oil duck, filled and quilted same as Nos. 1 and 2.

Size 40x76 inches, $1.00 each.
" 76x76 " 1.25 "

Made any length, 76 inches wide, at 20 cents per running foot.

That these mats are a **much needed improvement** over anything heretofore used for the same purpose, is demonstrated by the large demand and many testimonials from prominent men in the trade. Everyone using Hot Bed Mats should give them a trial.

WE ALSO MAKE **QUILTED HORSE BLANKETS** the Cheapest, Warmest and Strongest in the World.....

The R. T. Palmer Co.

Or New London, Conn. 113 Worth Street, NEW YORK.

Address all correspondence to The R. T. Palmer Co., New London, Conn. Agents wanted—pay good commission.





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Seasonable Specialties:

CYCAS WREATHS. **MOSS WREATHS.**

FERNERIES AND JARDINIERES:

Norman Style in Sprays, Tinted and Delft.
Tuscan, in Sprays, Tinted and Delft.
Milan, in Sprays.

OUR LEADING NOVELTY:

LACE VIOLET HANDKERCHIEFS.

Wheat Sheaves and Immortelles.

The largest and best stock in America.

New Catalogue of all FLORISTS' SUPPLIES on application. ☞ For the trade only.

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For Decorating and all Florists' Designs.

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AMERICAN FLORIST COMPANY,
324 Dearborn Street, CHICAGO.

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Cut Smilax

15 cts. PER STRING.

RED PRIMROSES, 3-inch pots, $4.00 per hundred.

THE NATIONAL PLANT CO., Dayton, O.

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FALL CATALOGUE NOW READY.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

THE executive committee of the American Seed Trade Association will meet in New York, January 20.

THE importance of northern Michigan as a potato growing section is evidenced by the handling in Traverse City the past season of 820,000 bushels worth $287,000.

SECRETARY WILSON of the Department of Agriculture is said to be as strongly opposed to the government free distribution of seeds as was his predecessor.

DUNKIRK, N. Y.—The big seed store of L. J. Baxter was destroyed by fire on the morning of December 31.

CHICAGO.—Mr. Chas. P. Braslan is making a flying trip to the Pacific coast. Mr. S. F. Leonard has been laid up with a severe cold for part of the week.

NEW YORK.—Wm. Elliott & Sons are getting ready for a big spring trade. A handsome set of new flower seed drawers is being put up. Weeber & Don report a very heavy sale of mushroom spawn this season. J. L. Schiller is renovating his establishment throughout.

Trouble with Boilers.

Replying to the inquiry of "G. K.", the prime cause of his troubles is that the boiler is not half powerful enough for the work put upon it. For the effective heating of the range of three even span greenhouses 20x90, one 20x60 and one 10x60, of ordinary commercial construction to a temperature of about 60°, not less than 13 square feet of grate surface is required, whereas the boiler in question contains only 5 square feet. The diameter and height of the chimney are ample for the present boiler, but would be deficient in height for boiler or boilers of the requisite capacity. The fuel in use, being of a rich gaseous nature, requires thin firing, and in order that the resulting gases may become ignited previous to entering the flues, ample combustion space is necessary, and it is evident, from the action of the fire as described by "G. K.", that his boiler is deficient in this respect. This trouble may be partially remedied by the admission of air into the firebox by means of a series of holes drilled in the fire door, or, better still by the introduction of air by means of a pipe into the combustion chamber immediately at the back of the bridge wall. HENRY W. GIBBONS.

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TRADE DIRECTORY

AND

REFERENCE BOOK

Contains a vast amount of valuable reference matter in addition to the directory list

PRICE $2.00.

AMERICAN FLORIST CO.

322 Dearborn Street, CHICAGO.

E. F. C. YOUNG, Pres. V. P. SNYDER, Vice-Pres.
JOS. D. BEDLE, Sec'y. R. S. FOWLER, Treas.
S. M. PEASE, Gen'l Mgr.

The Cleveland Seed Co.

Contract Growers of

Peas AND Beans

and General

JOBBERS IN SEEDS.

Cape Vincent, N. Y.

CHOICE SEEDS.

VERBENA GRANDIFLORA.

This improved strain of Mammoth Verbenas gives perfect satisfaction to my many customers, and is justly claimed to be the finest in cultivation; florets and trusses of extra large size, all the finest colors.

CYCLAMEN GIGANTEUM

A magnificent collection of the finest giant-flowering varieties, largest flowers, best colors. 50 seeds to pkt.

PETUNIA GRAND FIM FL. PL

The largest and finest strain of double-fringed and mottled Petunias to be had Extra All the above are of the very finest, carefully grown.

Each, per trade pkt., 25c.; 3 pkts., 60c.; 6 pkts., $1.00.

A pkt of the new compact Alyssum to every order.

JOHN F. RUPP, Shiremanstown, Pa.

THE BEST FOR ALL Florists' "ROSE LEAF" EXTRACT OF TOBACCO INSECTICIDE

FOR SALE BY SEED STORES

FOR FREE PAMPHLET WRITE TO

LOUISVILLE SPIRIT CURED TOBACCO CO LOUISVILLE KY

OSCAR KNOPFF & CO.

SEED GROWERS,

ERFURT, GERMANY.

Sole Agent for the United States and Canada:

M. RUTTENAU, 15 to 25 Whitehall St., New York.

Trade Catalogues and estimates cheerfully furnished. Orders promptly filled direct from nurseries at Erfurt.

FLORISTS FERTILIZER

Made from VIRGIN NIGHT SOIL by steam process—NOT Adulterated. Complete Fertilizer. Soluble, quick in action. Combines all the Elements for Nutrition of Plants. Pleasant to handle.

STANDARD FERTILIZER CO. Inc.

1822 Filbert Street, PHILADELPHIA.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS—ENDORSED BY PROMINENT FLORISTS—USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT—200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN ~~~~ CIRCULAR FREE ~~~~

SKABCURA DIP CO. CHICAGO.

Kill AND Save THE BLOOMS Bugs!

QUICKLY DOES IT.

EXTRA CHOICE FLOWER SEEDS.

List free on application.

FRED. ROEMER, Seed Grower,

Quedlinburg, Germany.

W. & D's. "SURE CROP"

MUSHROOM SPAWN

Hyacinths, Tulips, Narcissus, &c., &c.

SPECIAL PRICES TO CLEAR.

WEEBER & DON, Seed Merchants and Growers,

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BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

CLUCAS & BODDINGTON CO.

Importers and Exporters of

Seeds, Bulbs & Plants,

501 TO 503 W. 13TH ST.,

NEW YORK CITY.

Send for quotations on all Florists' Bulb Stock.

ESTABLISHED 1838 DREER'S SEEDS FRESH RELIABLE

TRY DREER'S GARDEN SEEDS,

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER, Philadelphia, Pa

Mention American Florist.

PALM Seed.

FRESH ON HAND

	per 100	1000	3000
COCOS WEDDELIANA	$1.25	$10.00	$27.50
MUSA ENSETE	1.25	10.00	27.50

J. L. SCHILLER,

404 E. 34th St., NEW YORK CITY.

August Rölker & Sons,

Spring Bulbs, Florists' Supplies, SEEDS

Our new Seed Catalogue is out, containing a list of selected Novelties in Seeds and Spring Bulbs. If not received, write for a copy.

52 Dey Street, NEW YORK.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,

Lock Box 1528. BOSTON, MASS.

Correspondence solicited.

THE Regan Printing House

NURSERY SEED FLORISTS CATALOGUES

87-91 Plymouth Place,

CHICAGO.

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

Montreal.

The holiday trade, this year has been ahead of all previous records, good prices, were obtained and everything went. The only disagreeable feature was the weather, the mercury hovered under zero all day, the natural consequence of which was lots of frozen plants even with the best intentions.

The better prices obtained for good plants this year was marked. One retailer received $10 each for 12 specimen azaleas, and could have disposed of more of the same class; any kind of an azalea in bloom sold at good paying prices.

Cut flowers were not up to the quality of last year, owing to the unfavorable weather, but the home grown stock was much better than the imported by several degrees. This fact may be owing to an erroneous idea in the minds of some of the American wholesale men, that anything is good enough for the "Canuck." We know of one Boston firm who had reason to change their opinion in this respect when they received a box of three hundred Meteors back from Montreal on Christmas morning accompanied by the intimation that first-class stock was ordered and nothing else will suit our trade. BEAVER.

Propagating Ficus.

Mrs. K., of West Marietta, Ohio, asks "How to start the top cuttings of the ficus plants." The Ficus elastica, commonly called the rubber plant, is what the query refers to, no doubt. To proceed, cut two or three of the leaves from the stem intended for the operation, leaving six or eight leaves thereon, counting from the top of the shoot, then with a sharp knife give an upward cut of at least an inch, somewhat on a slant, taking care not to cut much beyond the center or the pith part of the shoot. A little wad of moss, a piece of charcoal, a chip, or in fact anything, may be put into the incision. The object of this is to keep the two cuts from growing together again. Then carefully and securely bind some damp, though not wet, sphagnum moss, or the rough parts of peat moss, around the cut, and the day after the operation moisten the moss thoroughly never allowing it to become dry thereafter until roots are seen penetrating through the material, when it may be severed from—for want of a better term—the parent stock. It should then be potted into a well drained 4, 5 or 6-inch pot according to the size of the now rooted cutting; the latter size is the most generally used. It should have a place in a house of not less than 60° at night in a moist atmosphere, shaded from the direct rays of the sun in the daytime and protected from the heating medium at night until it becomes accustomed to its new environment, when more light and air may be given. Be careful never to allow the young plant at any stage of its existence to suffer for the want of water. As to soil, this ficus being a strong feeder, it should be rich and at the same time porous, so that it may be given lots of water without danger of souring. L.

OIL CITY, PA.—Mr. W. M. Deyoe has added two carnation houses to his plant. A handsome dwelling for his own use with a conservatory immediately adjoining it are receiving the last finishing touches. Mr. Deyoe does a general retail business and finds things very encouraging. HOMO.

THE ALBERT DICKINSON CO.
DOMESTIC AND FOREIGN
GRASS SEEDS
FOR
Parks, Tennis Courts, Lawns, &c.
In fancy 1 and 2 pound packages and bulk.
SPECIAL PRICES TO THE TRADE.
CHICAGO, ILL.



TOKIO
NURSERY CO.
Headquarters for
JAPAN LILIES,
CYCAS REVOLUTA,
PLANTS, SEEDS,
ETC.
Write for Catalogue.
Tokio Nursery Co.,
KOMAGOME,
TOKIO, JAPAN.
Cable Address: "NURSERY CO. TOKIO."

NEW · GIANT · ESCHSCHOLTZIAS,
"THE GOLDEN WEST."
50c pkt., $8 oz.
New Giant Fancy Cosmos, six splendid varieties, separate, $1 oz.; Giant Cosmos, splendid mixed, 65c oz.; Calliopsis "California Sunbeams," $1 oz. Special rates given on Cosmos in quantity; Apple Geranium, fresh, $1 per 1000 seeds; New Large Flowering Zonale Geranium, $2.50 oz.; Ipomæa, "Heavenly Blue," $1 oz., $12 lb.; Laurustinus grandiflora, $1 oz.; Zinnias, "New Curled and Crested," 50c oz.; $5 lb.; Nasturtium Good Venture Mixture, 60c lb.; $15 per 8 lbs.; Seaforthia elegans (Palm) 40c per 100 seeds, $3 per 1000 seeds. Send for trade list of Seeds, Plants, Bulbs and Cacti.
MRS. THEODOSIA B. SHEPHERD,
Ventura-by-the-Sea, Cal.

JOSEPH BRECK & SONS, CORP'N.



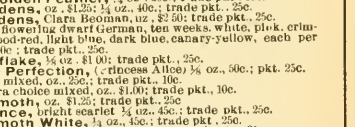
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JOBBERS AND DEALERS IN
GARDEN SEEDS
OF ALL KINDS.
TRADE LIST ON APPLICATION.
18 N. CLARK ST. CHICAGO.

SEASONABLE FLOWER SEEDS



Centaurea Candidissima, oz., $1 00; 1000 seeds. 25c.
Centaurea Cymnocarpa, oz . 50c : trade pkt 10c.
Clematis Paniculata, oz.. $1 00; trade pkt., 20c.
Cobæa Scendens, oz . 30c : trade pkt . 10c
Lobelia Speciosa, ¼ oz., 25c.; trade pkt., 10c.
Lobelia Emperor William, ½ oz., 35c : trade pkt.. 20c.
Lobelia Crystal Palace Compacta, ½ oz., 50c.; trade pkt., 25c.
Maurandya, mixed, trade pkt . 25c.
Mignonette, Allen's Defiance, oz.. 75c.; trade pkt., 15c.
Mignonette, Machet, true, oz . 50c ; trade pkt., 10c.
Oxalis Tropeoloides, trade pkt., 25c.
Petunia, "Vaughan's Best" mixture large flowering sorts, pkt. 50c.
Petunia, double large flowering mixed, trade pkt., $1.00.
Pyrethrum Golden Feather, ¼ oz . 20c.; trade pkt . 10c.
Salvia Splendens, oz . $1.25; ¼ oz., 40c.; trade pkt., 25c.
Salvia Splendens, Clara Beeman, oz . $2 50; trade pkt., 25c.
Stocks, large flowering dwarf German, ten weeks, white, pink, crimson, blood-red, light blue, dark blue, canary-yellow, each per ¼ oz., 40c : trade pkt., 25c.
Snowflake, ¼ oz . $1 00; trade pkt., 25c.
White Perfection, (Princess Alice) ½ oz., 50c.; pkt. 25c.
Thunbergia, mixed, oz., 25c.; trade pkt., 10c.
Verbena extra choice mixed, oz., $1.00; trade pkt., 10c.
Mammoth, oz. $1.25; trade pkt., 25c
Defiance, bright scarlet ¼ oz., 45c.; trade pkt., 25c.
Mammoth White, ¼ oz., 45c.; trade pkt . 25c.
Mammoth, purple or striped, each, trade pkt., 25c.
"Vaughan's Best" Mixture, includes all the above and others, oz., $2.00; ¼ oz., 55c.; pkt., 25c.
Ten per cent. Discount on $2.00 worth and over for cash with order.
14 Barclay St. NEW YORK. VAUGHAN'S SEED STORE 84-86 Randolph St. CHICAGO.

Livingston's
.. Emerald
.. Cucumber.



Is exactly what has been lacking for hothouse and hotbed use. Dark green.
PRICE (postpaid)—Packet, 10c; 3 pkts. 25c; 15 pkts. for $1.00 The Catalogue Trade is invited to list this variety. Terms on application.
A. W. LIVINGSTON'S SONS,
....COLUMBUS, O.

A Word to the Employer.

As a matter of simple business policy, aside from any other reason, it pays in the end to deal squarely with your employes. One who takes advantage of the ignorance or necessities of his workmen is sure to suffer when the workman has a chance to "get even," and sooner or later he generally is able to more than even things up.

The man who keeps another in his employ with whom he finds it constantly necessary to use harsh manners and methods in order to secure a proper amount of careful work is a "chump," and he who uses such methods unnecessarily is equally wrong. There are plenty of good workmen in the land, and fair pay and decent treatment will secure and retain them. A certain number of dollars invested in reasonably high-priced help will nine times out of ten bring better returns than the same amount expended for cheap help. The man who works for unreasonably low wages will, either though lack of inclination or lack of ability, fail to give returns in quantity or quality of work done—generally in both. If he is a competent man, forced by necessity to work for less than his worth, at the first opportunity he will leave without hesitation.

Few employers realize the actual expense in breaking in new men. There is loss of the workman's time and of the employer's time, often serious damage to stock and frequent loss of customers through mistakes. Nearly all men quickly respond to kindly words and acts from those in authority over them, and the few who do not should not be kept on the place. Discipline is of course to be maintained and errors to be corrected. A good man, however, is not to be too harshly reprimanded for an occasional mistake.

Every employer knows, or should know, the value of the work being done by each one of his men. When the time comes that he would prefer granting an increase of pay to any man, rather than lose his services, it is sound business policy to voluntarily grant the increase. A dollar's increase of salary in this way is worth five, as an investment, given after a demand for it. Finally after years of faithful service on the part of an efficient man who has mastered all the details of your business and gained the good will of your customers, secure a continuance of his services, and an increase in his efforts for the good of the business by giving him an interest in the profits.

Almost every town can show an example of a business house, once well in the lead, gradually falling back to second place, then to third, and finally to no place at all. The history of such cases is nearly always the same. An able and energetic man, by hard work and careful attention, builds up a very profitable business. His income becomes large and he gets on in years. He begins to give more attention to spending the income, and leaves more and more of the details to the able and energetic young man whom he has "brought up to the business." He forgets that the young man is ambitious, and that as he sees business flourishing under his management he becomes possessed with a desire to place himself where his abilities may bring profit to himself rather than go to aid in the swelling of some one else's bank account. Some fine day he opens up on his own account on the other side of the street. The older man wakes up to find he has lost his grip on the business and is out of touch with his customers. The trade goes to the new establishment, and all the profits are lost through being unwilling to give a part to the man who had earned it.

B. JONES.

Battle of the Flowers at Pasadena, Cal.

The battle of flowers and the floral procession leading up to it, known as the tournament of roses, took place Jan. 1.

The city was crowded with people, there being thousands of visitors. Every available spot along the route of the procession was thronged with men, women, and children. There were nearly three miles of six and four-in-hand coaches and drags, victorias, landaus, surreys, floats, carts, sulkies, bicycles, and many other conveyances, and hundreds of horsemen, artistically covered with flowers.

The battle of flowers was a magnificent spectacle. It was a battle, a storm, a cyclone all in one, in which the youth and beauty of the community bore the part of warriors.

HAMMONDTON, N. J.—Frank L. Bassett, well known locally as a botonist and a member of the Philadelphia Botanical Club, died on December 31.

TO REDUCE STOCK

we offer 50 000 one-year California Privet, 12 to 20-in. tops, stocky, $8 00 per 1.00. 500 Snowbal s (Viburnam Opulis) 3 to 4 feet, very bushy, $5.00 per 100. Will make Privet Cuttings on contract, young healthy wood, $1 25 per 1000. Will exchange for Flowering Shrubs, Norway Maples, Lindens, Tulip trees, Catalpas, 8 to 10, or 10 to 12 feet. Trees must be clean and healthy.

RIVER VIEW NURSERIES,
O'HAGAN & KING,
MONMOUTH CO. LITTLE SILVER, N. J.

FORCING

	PER 100
SPIRAEA ASTILBOIDES FLORIBUNDA,	$6 00
SPIRAEA MULTIFLORA COMPACTA.	6 00

These are extra fine clumps, not divided. Also a limited quantity of Lilium speciosum album, rubrum and roseum; good for forcing—Holland grown. Orders entered now for hardy nursery stock—such as Clematis, Rhododendrons, Magnolias, Hardy Azaleas, Tree Roses, H. P. Roses, Paeonias, etc.
Branch of The Hor icultural Co., Boskoop, Holland. **L. G. BOBBINK, Rutherford, N. J.**

A FUND OF INFORMATION is to be found in the pages of the American Florist Company's Directory which is now undergoing a thorough revision, and will be greatly improved in many ways. All we ask is that you send us your business card or letterhead and we will see that your name is inserted, and we will do it with pleasure, and do it **FOR NOTHING**

PRIMULA CHINENSIS, 2-inch pots ....$2.50 per 100, $20.00 per 1000
PRIMULA, transplanted seedlings, from flats $1.50 per 100.
FERNS, 3-inch pots.....$5.00 per 100
CARNATIONS. Field grown Lizzie McGowan and Scott. Write for prices.
VIOLETS. Marie Louise, strong field grown. Write for prices.
HYDRANGEA HORTENSIS, rooted cuttings..... .....$2 00 per 100
SWAINSONA.....$2.00 per 100
ABUTILON Souvenir de Bonn and Golden Fleece...$3 00 per 100
GERANIUMS. Rooted cuttings.... .$1.50 per 100 $12.00 per 1000
C. LENGENFELDER.
Lincoln and Berteau Avenues, CHICAGO.

PELARGONIUMS
SANDIFORD'S IMPROVED
BEST THING FOR EASTER TRADE.
Fine plants ready for 4-inch pots. Mme. Vibert, Mme. Thibaut, Sandiford, Victor, Chas. Dickens, Dr. Masters, Brides, and others, $6 00 per 100; $1.00 per dozen, by mail. Write for prices on large lots.
A. C. LAMPRECHT, Ashland, Ohio.

JANUARY OFFER.

	Per 100
ENGLISH IVY	$3 00
BEGONIAS, 5 Var.....	3 00
OXALIS FLORIBUNDA.....	2.50
FARFUGIUM GRANDE.....	3.50
Pansy Plants to close out $2.50 per 1000.	.50

Cash with order.
Jos. H. Cunningham, Delaware, O.

Always mention the American Florist when writing to advertisers.

JUSTICIAS VELUTINA, NERVOSA FLAVA 2 ½-inch $8.00 per 100.
Strong plants AERVA SANGUINEA, $5.00 per 100.
THE CONARD & JONES CO.,
WEST GROVE, PA.
Mention this paper.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

GALAX LEAVES AND **LEUCOTHE SPRAYS...** Green and Bronze. Of all wholesale florists—or write the Introducer for free samples and information.....
HARLAN P. KELSEY,
150 Tremont Building, - BOSTON, MASS.

We are now Booking Orders for that Peerless New Yellow DAHLIA
Clifford W. Bruton.
It is an early and profuse bloomer, while the flowers are of immense size and grow on very long stems. Address
W. P. PEACOCK, ATCO, N. J.

Syracuse.

GOOD WEATHER THE PAST WEEK HAS MADE FLOWERS MORE PLENTIFUL. — DROP IN RETAIL PRICES.—FLOWERS FOR CHARITY BALL.

The past week has been one of old fashioned wintry weather combined with lots of bright sunshine, which has made flowers of all kinds more plentiful, with the exception of a lull in trade for two days after Christmas, business has been very brisk and the supply of flowers has been about equal to the demand, with a possible exception of carnations.

New Year's trade consisted chiefly of cut flowers, very few plants, flowering and otherwise being called for, the majority report trade a trifle better than last year, but anyway it does not take any great exertion to handle it; as at Christmas, an extra call was noted for red flowers, which were very scarce. Gontier roses that were in good supply had an unprecedented demand; it is much cheaper than Meteor and gives general satisfaction, developing beautifully in the home. There is no question but what this old variety when grown on a suitable soil will be perpetuated many years hence.

Retail prices dropped directly after Christmas to our city's normal winter rate of Beauty $6 to $12 per dozen, other roses $1 to $2; carnations 50 cents and violets $2 per 100.

Bulbous stuff with the exception of valley has got to such a low ebb in price that the best that can be done with it is to use it up in assorted flowers.

The charity ball occurs this week which always calls for many flowers, especially violets, and with the other orders now on the florists' books for other seasonable doings it seems that there are prosperous times for the next few weeks at least.

ALPHA.

AND they still call it Chrysanthemum Niveum in England, but the sting is removed when it is described as an excellent variety.

A. FARLEYENSE,

Extra strong plants from 3-inch pots in excellent condition at $3 per dozen; $20 per hundred.

NEPHROLEPIS EXALTATA at $5.00 per hundred.

NEPHROLEPIS EX. BOSTONIENSIS, at $5 per hundred.

NEPHROLEPIS CORDATA. Fine for Fern dishes or specimen plants at $6.00 per hundred.

PTERIS TREMULA all sold.

A few PTERIS SERRULATA at $3.50 per hundred, strong.

R. WITTERSTAETTER,
SEDAMSVILLE, OHIO.

Areca lutescens.

A few sharely plants in 9-inch pots, 4 feet high, $3.50 each; $42 per doz.

JOHN WELSH YOUNG,
..... GERMANTOWN, PA.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.



Palms,

Pandanus Veitchii,

Ferns and Araucarias,

IN ANY QUANTITY.

JOHN SCOTT.
Keap Street Greenhouses,
.... BROOKLYN, N. Y.

PALMS SEND FOR SIZES AND PRICES
EDWIN LONSDALE
CHESTNUT HILL. = PHILA. PA.

Only a Short Time

Remains for receiving new copy or changes for the 1898 Directory, if you have not sent in your address, do so now. You might as well have your name in as not. No charges. Send your business card, or any other printed matter you may have, and we will do the rest. AMERICAN FLORIST COMPANY, 324 Dearborn Street, Chicago, Ill.

PALMS and FERNS
The Largest Stock of PLANTS IN THE WEST
GEO Wittbold
1708 N. HALSTED ST
CHICAGO

SPECIALTIES

IN BEST VARIETIES.
ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.

ROBERT CRAIG
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Street, PHILADELPHIA, PA.

FERNS . . .

In fine assortment, from 2½ in. pots, $3.00 per 100; $27.00 per 1000 . . . . . .
CHAS. T. DARLING, Stony Brook, L. I., N. Y.

Providence, R. I.

Business for the past week has been very fair, New Year's greetings accompanied by flowers have made the little spurt naturally looked for at this season of the year. The municipal inaugural exercises also kept those having a "finger in ths pie" very busy for a day or two. Space will not admit of any elaborate description of floral handiwork. Among these the most noticeable was a large horseshoe of mixed flowers and roses and a yacht under full sail, made of white carnations and Roman hyacinths, resting on a base of tennissimus to represent water. These were made by Timothy O'Connor. Wm. Appleton, Jr., displayed his usual good taste in a huge horseshoe standing about 6 feet high made of roses, carnations and other choice flowers. James B. Canning also came in for his share of artistic arrangement with a horseshoe made of pink and white carnations resting on a base of roses. Among many other pretty designs coming from Ed. J. Johnston's was a four leaf clover very tastily gotten up. This with two large baskets of violets with other flowers from Wm. H. Wing adorned the desk of his honor Wm. C. Baker. M. Sweeney made quite a hit in a large horseshoe on a base with a vacant chair made of white and pink cape flowers with the emblematic dove suspended over the chair. There were scores of baskets, bouquets, etc., from other florists, that were beautiful.

Richard Harrison, of the Rhode Island Greenhouses contemplates the building of two more houses for Beauties and Victorias; they will be 180 feet long and 28 feet wide.

James McVeigh has opened a flower store on Westminster street, corner of Snow.

Irvin Z. Dodge has severed his connection with D. D. Waterman.

Robert Hogg is much improved in health since his western trip.

LITTLE RHODY.

In Exhibition Time.

First Exhibitor—"Will Tim get first on violets?"

Second Exhibitor—"Dunno; but he rode down on the train with one of the judges, and I don't think that's right."

NATHAN SMITH & SON

Wholesale Florists

Specialties ADRIAN, MICH.

CHRYSANTEMUMS
CARNATIONS
AND VIOLETS

• • • CORRESPONDENCE SOLICITED • •

50,000 Flat-Grown CARNATIONS

STRONG STOCK.	per 100	per 1000
Daybreak	$2 00	$15.00
Scott	2.00	15.00
Rose Queen	2 00	15 00
Tidal Wave	1.50	12 00
Portia	1 50	12.00
Rob Roy (new)	10.00	
Jubilee	3.00	
Snow Queen	10 00	
Silver Spray	1.50	12.00
L. McGowan	1.50	12.00
Eldorado, Meteor	2.00	
Flora Hill	5.00	
Triumph, Armazindy	3.00	
Pluto, new, and Uncle Sam, new, both varieties	10 00	

Cash with order. HENRY A. NIEMEYER, Erie, Pa.

NEW CARNATION

"Mrs. S. A. Northway"

A soft shell pink, developing to nearly pure white.

OUR MASTERPIECE.

We shall commence shipping soon.

Orders booked **now** and filled in **rotation.** . . . .

PRICE: PER 100, $10.00. PER 1000, $75.00.

Newer Geraniums.

Mme. Bruant, Mme. Jaulen, Fleure Poitevine, J. Sallier and J. Ricaud. Fine stock from 2¼-inch pots, $5.00 per 100. ROOTED CUTTINGS, $3.00 per 100; $25.00 per 1000. Net cash.

GENERAL LIST OF GERANIUMS.

A superb stock in quality and variety of all the finest sorts, from 2¼-in. pots, named, $25 per 1000; unnamed, $20 per 1000. ROOTED CUTTING, $12.50 per 1000. Net cash.

Fuchsias.

A grand lot of summered-over stock in small pots that will make early blooming plants, $3 per 100.

W. P. SIMMONS & CO.

Make the following statement to the readers of the American Florist.

As originators and introducers of
"Silver Spray,"
"Tidal Wave,"
"Daybreak,"
and "Rose Queen,"

each of which has, we believe, proven even better than we claimed for them. We NOW say for 1898 that

"Mrs. S. A. Northway"

possesses all the good points that go to make up a first-class and profitable cut flower sort, and that we introduce it with even more confidence than we did the others.

It is an extra strong grower.
It is free from rust or disease.
It is a profuse bloomer.
It has exeedingly strong stiff stems.
It is of exquisite form full and double.
The flower is high built, petals serrated.
The calyx does not burst.
It is delightfully fragrant (a quality lacking in many new ones.)

OUR PRICE LIST now ready, contains prices on many other plants. SEND FOR IT.

W. P. SIMMONS & CO., Geneva, Ohio.

FIREFLY A RUST PROOF .....CARNATION.

Bright scarlet and positively **RUST PROOF**. It is as prolific as Scott, of good size and form, and its keeping qualities are unsurpassed. We have tested it four years.

Our stock also includes all the Novelties of '97 and '98. Send for prices.

GEO. HANCOCK & SON, Grand Haven, Mich.

BAKER'S

NEW CARNATIONS.

Grown and tested five years.

ONEIDA—Pure pink, healthy; no rust; continuous producer; largest size bloom.
RED JACKET—Bright red, fine stem and calyx; continuous cropper. **$10.00 per 100.**
Orders booked now to be filled in rotation as fast as rooted.

C. F. BAKER, Utica, N. Y.

Good Growers can plant **Fancy Jubilee** Cuttings under glass and get **Phenomenal Returns**

We've got the Fancy Cuttings.

W. N. RUDD, Mt. Greenwood, Ill.

.....YELLOW CARNATION

PINGREE Best ...MONEY GETTER.

Rooted Cuttings for sale by

W. N. RUDD, Mt. Greenwood, Ill.

DIRECTORY FOR 1898

Will be out early in the year. Write for advertising rates.....

American Florist Company, 324 Dearborn Street, Chicago.

Terse Remarks by the Judge.

One who refuses to perform the conditions imposed upon him by the terms of a contract of employment cannot recover for a breach thereof by the other party.

To one engaging in service with knowledge of an unsafe place or appliance the master is under no obligation to alter or amend the condition of the place or appliance.

A person cannot be made to pay damages for his acts unless they were done in such manner and at a time which show that he was acting in disregard of the rights of others.

Where money is voluntarily paid, with full knowledge of all the facts, it cannot be recovered, although it may have been paid upon a void demand, or upon a claim which had no foundation in fact.

An agreement with a creditor of a partnership to release one member of a firm from his liability on a partnership debt, and accept the other partner as solely liable thereon, must be founded on a valuable consideration to be binding.

What is a suspension of payment has been a subject of much controversy in the courts; but in general it may be said that a person is insolvent, and suspends payment, when he is unable and fails to pay his debts in the due and ordinary course of his business.

A tenant who gives his notes for rent, does not, by paying all but the last one of them, waive all claims for damages because of fraudulent misrepresentations made by the landlord at the time of the execution of the lease, but may set them up as a counterclaim in a suit brought to collect the last note.

STORAGE CANNOT BE COLLECTED AFTER BURNING OF GOODS.—Where a contract for storage provides that the goods shall be stored for a certain length of time for a certain sum, and they are burned before the term of storage has expired, the supreme court of California holds (Cunningham v. Kenney, 38 p. 645) that no recovery for storage can be had, even though the loss has been occasioned without the warehouseman's negligence. It would, however, be otherwise if the contract provided for payment in such case as well as for exemption from liability for the loss.

BUY YOUR ROOTED

Carnation Cuttings

THAT ARE

GROWN FROM EXTRA FINE HEALTHY STOCK.

Alaska, McGowan, Albertini, Scott, Keller.	$2.00 per 100.
	$15.00 per 1000.
Triumph, Daybreak, Jubilee.	$3.00 per 100.
Armazindy	$4.00 per 100.
McBurney, Flora Hill, Mayor Pingree	$5.00 per 100.

"Best stock" is cheapest. We took most all the carnation prizes at the recent St. Louis show.

SOUTH PARK FLORAL CO.

NEW CASTLE, IND.

...NEW CARNATIONS...

WHITE CLOUD.

White, large, fragrant flowers; strong habit, constant bloomer. A. C. S. Certificate.

NEW YORK (Ward).

Bright cerise pink. Strong, vigorous habit. Early. Certificate.

MRS. JAMES DEAN (Ward).

Clear, silvery pink, strong habit, constant bloomer. Certificate.

GOLD NUGGET.

Best yellow, only slightly marked with red. Strong habit, constant bloomer. Missed A. C. S. Certificate by one point for lack of fragrance.

JOHN YOUNG (Ward).

White, fragrant, free bloomer, strong habit.

BON TON (Ward).

Scarlet, strong habit, resembling Portia

Prices for above varieties, $2 per dozen; $10 per 100; $75 per 1000.

WE HAVE all the principal 1897 Novelties and other Standard varieties at lowest prices.

F. DORNER & SONS CO., LA FAYETTE, IND.

WANTED Carnation growers to look into the merits of

NEW CARNATION "ARGYLE"

and be convinced that it is the coming commercial variety of its color.

READY MARCH 1st, Price, $2.00 per dozen; $10.00 per 100; $75.00 per 1000.

Send for circular for full description and a select list of money makers in Chrysanthemums.

STOLLERY BROS., Argyle Park, CHICAGO.

CARNATIONS Rooted Cuttings. Jan Delivery....

WHITE	
Flora Hill	$5 00 per 100; $40 00 per 1000
Nivea	3 00 " " 25 00 " "
Edith Foster	3 00 " " 25 00 " "
Alaska	2 00 " " 12 50 " "
McGowan	2 00 " " 12 50 " "
LIGHT PINK	
Conch Shell	$10 00 per 100
Victor	$5 00 per 100; $40 00 per 1000
C. A. Dana	5 00 " " 40 00 " "
Daybreak	2 00 " " 15 00 " "
DARK PINK	
Triumph	$3 00 per 100; $25.00 per 1000
Wm. Scott	2 00 " " 12.50 " "
SCARLET	
Wellesly	$10 00 per 100; $85.00 per 1000
Jubilee	3 00 " " 25 00 " "
Jahns	3.00 " " 25 00 " "
YELLOW	
Mayor Pingree	$5 00 per 100; $40 00 per 1000
Eldorado	2.00 " " 15.00 " "
VARIEGATED	
Mrs. Geo. M. Bradt	$5 00 per 100; $50.00 per 1000
CRIMSON	
Empress	$10.00 per 100; $75.00 per 1000

H. F. LITTLEFIELD, - Worcester, Mass.

Experiences

... WITH ...

CARNATIONS

Ready now. Send me your address on a postal and receive them regularly, during the season.

ALBERT M. HERR,

..... LANCASTER, PA.

H. WEBER & SONS,

CARNATIONS,

OAKLAND, MD.

Mention American Florist.

ROOTED CUTTINGS

ROSES.

Bridesmaid, Brides, Perles, La France, Meteors, Kaiserin	$1.50 per 100, $12.50 per 1000, Cuttings.

CARNATIONS.

William Scott, Nancy Hanks, Tidal Wave, Portia, Lizzie McGowan, Kohinoor	$1.00 per 100. $7.50 per 1000.
Daybreak, Emma Wocher, Meteor, Goldfinch, Lizzie Gilbert, Harrison's White, Bridesmaid	$1.50 per 100. $12.50 per 1000.
Nivea	$3.00 per 100.
Jubilee	$25.00 per 1000.

REINBERG BROS.,

51 Wabash Avenue, CHICAGO.

UP-TO-DATE

Cuttings

THE following Carnation Cuttings are rooted in sand and then transplanted into soil, are strong and healthy; every cutting a good one.

WM. SCOTT and LIZZIE McGOWAN, $1.00 per 100; $10 00 per 1000 DAYBREAK, $2.00 per 100; $15.00 per 1000.

Coleus Golden Bedder, Crimson Bedder, and twenty other good bedders now ready, from strong top cuttings, 2¼-in. pots; will make you lots of cuttings, $1.00 per 100; $10.00 per 1000.

Named Geraniums, up-to-date varieties, 2¼-in. pots, $2.00 per 100; $20.00 per 1000.

Salvias, Petunias, Feverfew Little Gem, and Begonias, all named, 2¼-in. pots, $2.00 per 100; $20.00 per 1000.

THE MORRIS FLORAL CO.

MORRIS, ILL.

Mention the American Florist when writing to advertisers on this page.

Los Angeles, Cal.

RAIN WANTED, BUT FROST ARRIVES.—DAMAGE TO FRUIT TREES.—PERSONAL POINTERS.

From the "Land of Sunshine" we must send a tearful tale of woe and disappointment. We have been looking and hoping for a month or more for rain; frost came instead, and what a frost. On the mornings of December 19 and 20, from 2 to 12° of frost were reported from different localities. About three inches of rain in our stocking would have been a more acceptable Christmas present. General reports from all sections show that the damage resulting from the protracted cold weather and heavy frosts is less serious than was expected, and is confined mainly to low exposed grounds, where flowers, early vegetables, young citrus trees and some fruit are frosted. It is too early yet to ascertain with any degree of accuracy what percentage of the orange crop is injured, good guessers say from 10 to 25%. On the low peat lands in Orange county all the celery that was not banked up is seriously injured. As in the orange crop it will take time to tell the percentage of loss.

I interviewed the leading florists in the city, and a number of the growers. All were expecting a largely increased holiday trade, and orders were coming in freely; it was noted the orders were larger and the people more liberal than usual, but the frost spoiled all this, and flowers of all kinds were scarce. Where thousands were expected tens were cut. Growers with from three to eight acres of carnations, whose daily cut should run from 800 to 1200 blooms per acre, could not get over 10% of that number. One party who was averaging one hundred dozen bunches of violets daily, picked seven dozen in the two days before Christmas. Thus I might go on through the list and show how all lines were shortened up in the same way, and yet, strange as it may seem, some districts escaped entirely. There was a limited supply of open air roses, callas and poinsettias that were uninjured and helped the dealers amazingly, but every florist was obliged to refuse orders. One store refused orders for carnations for shipping aggregating over $200. Smilax was uninjured and thousands of strings were used in decorating. Many wagon loads of a native holly (so-called) with bright red berries were readily disposed of.

All the stores were well supplied with palms and ferns and many customers who could not get cut flowers purchased plants.

B. F. Collins has recovered from his bicycle mishap and was able to hustle around for flowers for a week before Christmas.

Alfred Roedder, the well known florist of Shorb Station, had a fine supply of ericas and lilies of the valley in bloom for the holiday trade.

Capt. F. Edward Gray with characteristic energy was well supplied with eastern holly and mistletoe which found ready sale.

Jacob Dietrich, 12th and Wall streets, city, makes a specialty of palms, ferns and asparagus, and finds that branch of the business profitable. D. R. W.

Portland, Me.

The average of reports indicates that Christmas trade was the best in several years for the dealers. The growers have suffered from the unfavorable weather. Carnations, roses and violets all sold out clean at good prices. Niles Nelson sent the best Marie Louise Violets to the Portland market that have been seen here for a long time. His azaleas and Boston ferns brought good prices also. Holly enjoyed a big sale with all the dealers.

E. J. Harmon & Co., J. W. Minott & Son and Dennett, the florist, all report an increased and satisfactory trade in both plants and cut flowers. Albert Dirwanger found the demand about the same as in past years, S. C. Dennett & Co., a larger flower trade but diminished plant business.

MAGNIFICENT NOVELTIES

12 of the finest **GERANIUMS** ever introduced; fancy varieties, novel colors, new types; the latest from England and France; ready now for..... $ 3 50

12 of **Dammanns** new Cannas; 12 varieties, Italia and Austria type for..... $ 3 00

12 varieties Cannas; novelties of 1897 from Crozy, and other noted raisers, $3.00; or 25 novelties, 1897 varieties, one of each kind, for..... $ 5.00

12 Chrysanthemum novelties, 1898; ready March 1st, including Autumn Glory, Pennsylvania, Solar Queen, for..... $ 4.00

Calvat's unrivalled set; 25 varieties; all prize winners as certificated; the set for..... $10.00

Send for List.

E. G. HILL & CO., - Richmond, Indiana.

Chrysanthemum

The SENSATION Of the Season

Frank Hardy



Certificated by the committees of the Chrysanthemum Society of America at New York, Chicago, Boston and Philadelphia.

First prize among whites wherever exhibited. The best mid-season white to date and indispensable to every grower whether for exhibition or the cut flower trade. Plants ready March 1st and orders filled in rotation.

Price, per plant, 50c; per dozen, $3; per 100, $20; per 1000, $150. 25 at 100 rate. 250 at 1000 rate.

A. HERRINGTON,

Florham Farms, - MADISON, NEW JERSEY.

100,000 VERBENAS.

THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants, $2.50 per 100; $20 per 1000. Rooted Cuttings, 75c per 100; $6.00 per 1000; $50 per 10000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

50,000 SMILAX by mail, 50c per 100, $4.00 per 1000.

GERANIUMS mixed, from 2 in. pots, $2.25 per 100, $20.00 per 1000.

Send for samples. Cash with order. **FRED BOERNER,** CAPE MAY, N. J.

When writing mention American Florist.

Coleus ....CHOICEST.

35 varieties, the cream of 100 of the best sent out last season. Plants $1.50 per 100. Rooted Cuttings 60c per 100; $5.00 per 1000.

BEGONIAS—15 standard sorts, $1.00 per 100.

YELLOW MARGUERITE—The finest NEW variety, $2.00 per 100 Rooted Cuttings.

Strictly cash with order.

SOUTH SIDE FLORAL CO., Springfield, Ill.

CHRYSANTHEMUMS.

STOCK PLANTS FROM BENCH.

Marion Henderson, Montmort, Ivory, Pink Ivory, Queen (white and yellow), Wanamaker, etc. Also a large collection of the best Ostrich Plume varieties. All $1.00 per dozen; $5.00 per hundred.

CHAS. L. MARSHALL, 67 Merrimac St., Lowell, Mass.

Mention American Florist.

BOUGAINVILLEAS.

Beautiful for "cutting" or pot sale.

Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests.

Send for "Comments and Facts."

THEO. F. BECKERT, Glenfield, Pa.

9 miles below Pittsburg, Pa.

GERANIUMS ROOTED CUTTINGS

Double Grant, La Favorite, S. A. Nutt, Mme. Salleroi, Ivy leaf Geraniums in six colors, strong and well rooted, $1 50 per 100, postpaid; from 2½-in pots, $2.50 per 100

Chrysanthemum Frutescens Hallerii, finest yellow daisy in commerce, fine color, free bloomer, from 3-in. pots, $1.00 per doz.

Begonia Argentea Guttata, rooted, $1.50 per 100; from 2½-in. pots $2 50 per 100.

SATISFACTION CUARANTEED.

PAUL MADER, - East Stroudsburg, Pa.

GERANIUMS

Best Bedders and choice New Varieties, $10.00 per 1000; $1.25 per 100 by mail. Extra heavy stock, $13.50 per 1000.

COLEUS

Select new and old $5.00 per 1000; 65c per 100 by mail.

Finest bedding Begonias, Petunias, Scarlet Sage, Verbena, Vinca, Pansies, etc. Send for my list.

DANIEL K. HERR, Lancaster, Pa.

Please mention American Florist.

Duty on Spoiled Bulbs.

Referring to communication from J. L. S. in a recent number of the AMERICAN FLORIST, regarding duty paid on bulbs received in bad order, there is apparently no clause in the Dingley bill covering goods arriving in a rotten or broken condition. This is unfair to the importer as the goods on which we pay duty are entered for consumption and if in bad order cannot be consumed. Yet we are compelled to pay the duty on these goods before we can examine them and cannot get the same refunded to us if, after having paid the duty to procure the goods, we find that the shipment or part of the shipment is rotten and unfit for use.

This matter should be placed before the Secretary of the Treasury, asking him to either allow the inspection of perishable goods before the duties are paid, or to provide for the refunding of duties which have been paid on goods which are afterwards found to be rotten; such goods being shown to an inspector from the Custom House in proof of the claim. We trust the AMERICAN FLORIST will take this matter up in its valuable columns and that the discussion may result in some arrangement which shall be fair to our importers. W.

This question of the injustice of the tariff law as it now applies to imports of perishable goods is one of much importance to American dealers in such stock, for the competitition and methods of recent years have cut profits on these goods to such a degree that but a very narrow margin is possible, even under the best conditions, and it seems reasonable that the presentation of the facts to the proper authorities should bring about some relief, such as our correspondent suggests. It is pleasant to contemplate, however, that the time seems to be approaching when we shall be independent of the foreign supply and American-grown lily of the valley, hyacinths, Harrisii lilies, tulips and rhododendrons, shall take the place of those we now import. We believe that the right soil, climate and and other conditions necessary for the production of all these can be found somewhere in this country and that our wide-awake growers are now started on the right track to demonstrate it conclusively.

The valuable contribntions in our columns in recent issues are the beginning of an agitation which, if well followed up, will be the means of turning into the pockets of American growers many thousands of dollars annually which now go out of the country for stock, much of which is spoiled, diseased or otherwise unfit for consumption. X.

Nashville, Tenn.

The holiday trade in this city was noticeable for several characteristics different from former years. There was a decided falling off in the bulk of trade of fully 25% below last year and former years, and the prices realized were exceedingly moderate. Nashville buyers have as a general thing never been able to fully realize why prices should jump one hundred per cent and more, just at the time when they were wanted and this has caused a general slacking up in Christmas trade.

There was very little shipped stuff brought to this market, the leading florists having an abundant supply from their own greenhouses and were therefore able to control prices. The quality of cut flowers was not equal to former years and hardly up to standard; the gloomy, cloudy weather of the preceding six weeks very greatly affected all roses and other stock.

Roses averaged $1.50 per dozen for Brides, Maids, La France, Meteor, and Perle. Choice extra select in Maids and Brides brought $2 in a few instances. Carnations retailed at 75 cents, Romans at 50 cents per dozen, violets at 75 cents per hundred American Beauties averaged $6 per dozen, a few short stems going at $4.

CURREY & CO.

JOHN N. MAY'S NEW CHRYSANTHEMUMS
FOR 1898

ALICE F. CAREY (Carey). A beautiful light shade of pink, reflex, having excellent keeping qualities with extra good foliage and stem. A grand commercial flower. Season, middle of November. Average, 3½ feet; terminal buds. Certificate C. S. A. 40 cents each; $3.50 per doz.; $25.00 per 100.

CHEMPWEC. Clear bright yellow, sport from Silver Cloud. Large flower with good stiff stem and foliage well up to the flower. An extra good shipping commercial variety of good vigorous constitution. In season 1st to 15th of November. 3½ to 4 feet; crown or terminal buds. 40 cents each; $3.50 per doz.; $25.00 per 100.

DOLORES. 84 points. A massive incurved deep yellow with broad petals of the largest size, with exceedingly stiff stem and foliage close up to the flower. One of the best and strongest growers we ever raised. 4½ feet. This is a late variety not fit to cut before the 20th to 25th of November; crown or terminal buds. 40 cents each; $3.50 per doz.; $25.00 per 100.

MINNEWASKA. 91 points. Bold heavy flower almost globular in form; straight and strap petals of a distinct shade of deep pink. As a late exhibition variety this will prove very valuable; also a good pot variety. 3 feet. 40 cents each; $3.50 per doz.; $25.00 per 100.

MISS GLADYS VANDERBILT. Certificated, 92 points. Pearl white with lemon shaded center; an exceedingly fine thing and a decided novelty both in form and general build, and an extra good commercial or exhibition flower. In season 1st to 15th of November; crown or terminal buds; 3½ to 4 feet. 50 cents each; $3.50 per doz.; $25.00 per 100.

ROBERT G. CAREY (Carey). A very beautiful globular incurved white of good substance and good keeping qualities. An extra fine exhibition or commercial variety. Will be a standard variety for all purposes. 4½ feet. Best on terminal buds. In season 15th to 20th November. Certificate C. S. A. Very valuable as a late white of good form. 40 cents each; $3.50 per doz.; $25.00 per 100.

SPOTSWOOD (Carey). A beautiful high built incurved light yellow, somewhat in the style of Bonnaffon. This variety will certainly make a reputation for itself both as an exhibition and commercial flower. An extra good keeper; very valuable to succeed Bonnaffon as a late yellow. 4 feet; crown or terminal buds. Certificate C. S. A. 40 cents each; $3.50 per doz.; $25.00 per 100.

Good strong plants ready March 1st, 1898. Also all the new varieties of other raisers.

JOHN N. MAY, Summit, New Jersey.

CARNATION CHRYSANTHEMUM AND CANNA NOVELTIES For Spring 1898

We can supply you all the best new ones in one order in one express shipment and guarantee first class plants.....

NEW CARNATIONS.... Rooted Cuttings ready March 15th.

Mrs. S. A. Northway
Argyle
Evelina
White Cloud
Cold Nugget

Per doz., $2.00;
Per 100, $10.00;
Per 1000, $75.00.

NEW CHRYSANTHEMUMS

The Yellow Fellow
Madeline Pratt
Pennsylvania
Mrs. C. H. Peirce
Mrs. C. H. Weeks
Wm. H. Chadwick.
Frank Hardy
Autumn Glow
Mrs. Arthur J. Caton

FICUS ELASTICA Per 100 $40.00, $50.00, $60 00
A big stock. True large leaved.....

NEW CANNAS

Pres. Cleveland
Souv. de Mad. Crozy
Pres. Max Michelli
Burbank
Yellow Crozy
Englewood
Atlanta
Allemania
America
Burgundia
Italia
Austria
Secy. Chabanne
Maidens Blush
Philadelphia

VAUGHAN'S SEED STORE

14 Barclay St., NEW YORK — 84-86 Randolph St., CHICAGO

Jardinieres, Pots AND Pedestals



ADAPTED TO
Florists' Use.

Artistic Shapes and Decorations.

Write us for Illustrations and Prices.....

BURLEY & TYRRELL, 42=44 Lake St., CHICAGO.

The Winter Landscape.

To one situated, as I am, in the midst of a new garden where the plantations are still young, and the views therefore broad and comparatively unobstructed, the value of shrubs and herbs, in their winter aspect, is exemplified in whichever direction the eye is turned, and it seems to me that everyone interested in the planting of grounds, either small or great, cannot pay too great attention to effects that tend to lessen the dreariness of our long northern winter.

Although the deciduous plants have for the greater part been denuded, yet there are a few that still retain more or less of their leaves and either green or bronze or brown, they still give a semblance of life to borders that would otherwise be bare and dreary. Of green things that persist, we have in this locality, in addition to the conifers, not many that are of sufficient height to show bravely above the snow; but there are a few, and because they are few we prize them highly. Among those of lower growth few can equal the mahonias. Their dense and beautifully formed leaves are equal to the European hollies, and the rich bronzy shadings are unequaled in any evergreen that endures our climate. Berberis repens, on the rocky mounds, is almost as good, but much dwarfer. The privets, too, hold their foliage long into the winter, and some species, like Ibota, retain their deep green, in sheltered places, until the spring is fairly upon us. The kalmias and evergreen rhododendrons are not to be forgotten, though they are not common enough in this limestone region to be a prominent feature; still, when planted in well prepared soil in sheltered nooks, they are noble objects and extremely effective. Some of the honeysuckles retain their foliage well, and on north slopes and walls the English ivy is prominent. Yucca filamentosa and its varieties are good winter plants, standing erect and showing their green spears through any ordinary snow.

The boxes, with us, get so badly burned as to render them painful to look at as spring approaches, but occasionally when placed on the north side of other plants they winter fairly well.

We have a goodly number of fruiting plants that endure well into the winter. Many of the barberries are good and some of them, like Thunbergii, are loaded with crimson berries throughout the winter. There are the cornuses, too, with red, white and blue fruits, and which on that account might well make the genus a candidate for the position of national flower.

A well fruited specimen of C. florida is a striking object and worth an effort to obtain. C. stolonifera, C. paniculata, C. asperifolia and others give us white fruit, and circinata, sericea, stricta, and alternifolia present various shades and tints of blue. The best of the wax berries are the well known Symphoricarpus vulgaris and S. racemosus; the former with abundant dark red berries that last through the winter, and the latter with large white fruit which disappears much earlier. Ilexes, both verticillata and lævigata are now in fine condition and will continue so for a long time. They are both excellent plants for waterside planting. Euonymuses of sorts are still in fair condition and present quite a range of warm colors with their peculiar winged fruit. The "wax-wort," Celastrus scandens is still draping the wilder thickets with its brilliant sprays.

Taken all together probably, the great rose family offers the largest number of good winter fruiting plants. Of the roses proper, perhaps our native Carolina rose is as fine as any. It is so abundant in its fruitage, so brilliant in its coloring and so enduring. The sweet briar is fine, too, with its orange red hips and the dog rose and many others are worth growing. Rosa rugosa is grand with its clusters of mammoth apples, but its glory disappears earlier than that of species whose fruit is not so meaty. The genus pyrus contains some gems also, arbutifolia being a profuse bearer, the berries do not last well, however, but the "rowan tree" or "mountain ash" is bright with us until the birds have gathered the crop. Many of the thorns are valuable in this way, being profuse producers of brilliant fruit, the most enduring of which is, with us, the hawthorn. Our common sumac is good; its dark velvety red clusters persisting for many months.

There are, of course, many others of value, but I am confining myself to those which are conspicuous here at the present time. I know that down over the bank the high bush cranberry and other viburnums, the black berries of the privet and other shrubs are most interesting and are not to be forgotten by the planter.

For color effects in winter probably the trees and shrubs with colored barks are more valuable than those having showy fruit. As I look out at the borders and mass planting, there are so many warm browns, olives, grays and purples having decided color value that it seems difficult to paint a picture without them all. However, to select the most striking and valuable, let us start with the willows. Here we find pale green, olive, browns, yellow and orange, making a fine warm belt of color in the low grounds near the lake. More decided are the red and purple stems of the cornuses, that increase in brilliancy, until in March they are aflame.

These and others are the pigments that the artist has at his command for the production of his winter landscape, bearing in mind that at another season his colors will change and that his picture will be viewed from another standpoint. Whether his winter picture be the silvery birches against a dark background of spruces, a luminous mass of willows skirting an ice field, or a belt of dogwoods against a heavy forest, he must remember that the summer will surely come and that his combination must still be acceptable.

JOHN F. COWELL.

Buffalo Botanic Garden.

Annapolis, Md.

Mr. Seidewitz's plant, comprising twenty-five houses and covering over 40,000 feet of space, is located on a hill top, overlooking the Spa creek, and a more magnificent view than that which greets one's eyes upon reaching it would be hard to imagine. For miles, as far as the eye can reach, you behold nature in its manifold attractive aspects. Here is a rolling field and there a stretch of woodland; here is a hill and there a dale while the silvery creek, extending away in the distance, lends a special charm to the whole panorama. The view is indeed worthy of an artist's brush as well of the best efforts of the most imaginative mind.

My object, however, was of a somewhat more prosaic nature. A stroll through the houses soon convinced me that the inexorable law of cause and effect was in no small degree responsible for that exceptionally fine and vigorous appearance of Mr. Seidewitz's general stock. It is a case of systematizing things, of adopting a method whereby the special requirement of one plant does not interfere with that of another. Thus four houses are given exclusively to carnations, four to roses, two to palms, three to ferns, one to Araucaria excelsa, one to azaleas, one to smilax, etc. I need hardly add that therein lies the whole secret, if a secret it be, of the successful grower.

Cyclamens galore! I noticed between 9,000 and 10,000 grown in flats, while those ready for the market are all that could be desired. Acacias—some specimens measuring from 10 to 12 feet, bushy and full of buds—are also grown with marked success.

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Rooted Cuttings, our selection, sorts ..... $12.50 per 1000
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IVY GERANIUMS . . . . Splendid Collection — 10 or more distinct sorts. Rooted Cuttings, $2 per 100; 2-in. stock, $3 per 100; $25 per 1000.

NEW CARNATIONS . . . PRIZE WINNERS and BREAD WINNERS. New York, White Cloud, Mrs. James Dean, John Young, Ben Ton, Gold Nuggett, Empress, and other new sorts, $2 per doz.; $10 per 100; $75 per 1000.....Mrs. Bradt, Flora Hill, C. A. Dana, Victor, Mayor Pingree, Lily and Maud Dean @ $4 to $6 per 100; $35 to $50 per 1000.....Daybreak, Scott, Storm King, McGowan, etc., $12.50 to $20 per 1000.

NEW CANNAS . . . . . Prest. McKinley and Defender, 40c each; $35 per 100. Mrs. Fairman Rogers $15 per 100, 4-in. pots. Eldorado, Papa, Chicago, Beaute Poitevine, F. Vaughan, Bouchard, Charlotte, Crozy, Egandale, Carnot, etc. @ $20 per 1000 up.

NEW CHRYSANTHEMUMS C. W. Bruton and Wm. Agnew. Maid of Kent, Nymphaea, A. D. Livoni, Snowclad, Alaska, Red and Black, Zulu, Irridescent, Ruby Queen, Mrs May Lomas, True Model, Arabella, and other popular sorts, strong field-grown roots @ $8 to $25 per 100. T. H. Spaulding, the peerless dark crimson, self, 35c each; also Rose Owen, Belle of Castlewood, J. H. Woodford, Dorothy Devens, Western King, G. F. Atkinson, Golden Trophy, and other sorts of last year's introduction, $5 per 100; Standard sorts, $3 per 100; $25 per 1000. 2-in. stock.

DAHLIAS . . . . . @ $6 to $25 per doz.

KENTIA BELMOREANA .

500 Plants at 1000 rate.

THE COTTAGE GARDENS,
QUEENS, N. Y.

Herbaceous Plant Notes.

PROPAGATION BY ROOT CUTTINGS.

Some of our hardy plants propagate very freely from root cuttings made at any time during the winter months; the roots should be cut into pieces an inch or more in length and then either potted off into thumb pots or if room for these cannot be spared, boxes are the next best thing, but I prefer to pot them at once, because in the boxes they usually start rather uneven, some of the weaker and smaller ones are smothered by their stronger neighbors. When you are short on Œnothera Youngii or O. speciosa, this is the quickest way to obtain a stock strong enough to bloom abundantly the first season. You may have a few gaillardias with extra large flowers or of special desirable color, or maybe some of the mammoth English named varieties; these may be rapidly increased in the same manner, much faster in fact than by green cuttings and with equal surety, while seed sowing would not reproduce the same variety nor perhaps the same strain.

Nearly all the hardy geraniums can be grown from the roots without any special trouble. Thermopsis fabacea and T. montana are both decidedly slow growers if raised by seed, but when grown from root cuttings, will make good flowering plants inside of two years generally. If a new or scarce variety of phlox of the decussata or paniculata section is to be propagated fast, there is no doubt that this will prove the quickest way; quite a number of campanulas, those with a creeping root stock, will readily respond to the same treatment; the chelones also are among the plants which have been and are now increased in that manner. Epilobium angustifolium and its variety E. a. album are quick growers, producing great masses of flowers the first year. The same may be said about the polygonums and the saponarias, the latter, however, suckers so freely that we seldom are short of stock, but the splendid deep colored, early and late flowering S. Caucasica fl. pl. is very rare yet, and by cutting up the roots of a clump we are sure to have an ample supply for next fall. Plumbago Larpentæ will make fine flowering plants in a season, and as this beautiful fall bloomer has been in great demand for the last two years, it is well to have a stock of them on hand. Silphiums and statice will respond nicely to the same treatment; Bocconia cordata and the Japanese anemones hardly need mentioning here, nearly everybody is well aware that these are increased in that manner quickly and successfully, but that the dodecatheons will do under like circumstances, may not be known to many. Some of the plants mentioned above are not at all particular in starting, the pieces of roots will form eyes anywhere and come up in a short time, no matter how carelessly they are thrown into the pots or boxes, but it is not so with all of them; if we should treat the gaillardias, for instance, as roughly as I have seen anemones treated, not a single plant could we expect to start up; there is a right way to do everything and if it is worth doing at all, we should do it well, so gaillardias, phloxes, statice, dodecatheon, geraniums and some others should always be planted, top end up, just even or better still a little above the ground; particular care is necessary not to overwater the batch at any time, especially before they have fairly started to grow.

A cool house is preferable to start them in; the temperature of a violet house would just suit the purpose and it is best not to hasten on the growth, give them time and encourage root growth rather than the tops. Early in April, when the little pots are set out in a frame, the tops will grow fast enough and about May 1 most all will be strong enough to be planted out in the open ground. When potting the little roots use a light soil, with plenty of clean sand mixed in with it; heavy soil retains the moisture too long, and there would be danger of ruining the whole batch by keeping the soil too wet. A few weeks will elapse before you can notice the formation of eyes or buds around the top end of the cuttings, and when these are once developed you may be sure that the treatment and temperature was just right for them.

Rochester, N. Y. J. B. KELLER.

The Christmas Trade.

Below we give a few additional reports from distant points, received too late for publication in last issue:—

LOSANGELES, CAL.—About 50% increase over last year, retail prices higher on account of scarcity of flowers; owing to unprecendented cold weather outside flowers were almost worthless; increased call for carnations and roses; more plants were sold than ever before, but scarcity of cut flowers may account for this.

ONECO, FLA.—Trade a trifle larger with retail prices about the same, and quality better; slightly increased demand for plants. Our general business and collections seem much better, and leads us to look for a good spring trade.

SAVANNAH, GA.—Best Christmas florists ever had; sold everything, retail prices about the same; supply short and quality the best; increased call for decorative plants in general.

SAN DIEGO, CAL.—Total sales were 10% greater; retail prices were about the same; very short supply; bought a good deal and sold all; increased call for violets; the demand for plants was greater than ever before. The most unfavorable weather experienced in the past ten years, causing the supply to be poor and short.

ATLANTA, GA.—Did 40% more business than last year; prices and quality about the same with a short supply; increased call for violets; limited supply of plants.

HALIFAX, PROV. N. S.—About 10% greater sales; retail prices the same; supply equal to demand; increased demand for plants; less church decoration, demand for plants and flowers for this purpose decreased about 30%.

NEW ORLEANS, LA.—Total sales about the same, the supply not quite equal to demand; quality fully as good; there was a large demand for ferns.

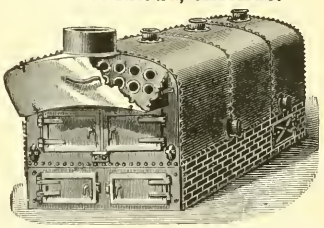
MONTREAL, CAN.—Decided increase in total sales; prices about the same; roses and carnations were very short; more blooming plants and palms were sold; more advance orders than usual. Imported roses and carnations were very unsatisfactory.

LITTLE ROCK, ARK.—Total sales 10% less; retail prices for roses and carnations 25% higher; quality not so good; bought more and sold at a good profit.

OTTAWA, CAN.—Greater sales with prices about the same; supply not half equal to demand; quality not so good; flowering plants had the call; delivering plants in 16° below zero weather is—to say the least—interesting.

PATTERSON, N. J.—About the same sales, with no change in prices; supply short; quality not up to the standard owing to the dark weather; large call for flowering plants; decrease in demand for palms.

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Keep Wide-Awake.

The gradual but positive change that is taking place in garden decorations, behooves those who are interested in the production of material to be wide-awake. This applies probably more particularly to those ertablishments that do a general local trade, rather than to large concerns that are specialists in a few lines. The steady progress that hardy perennial plants have made together with many forms of hardy shurbs, has taken the place of color decoration to a great extent, not that color decorations are in poor form, providing they are properly placed, but because the former are the very best for such purposes. In the garden there is a place for everything that will harmonize with the architecture, the scope of the ground whether it be large or small, together with outlaying surroundings. Whatever is not amenable to the above should be considered out of place, and ought not to be recommended.

With regard to hardy perennial plants and shrubs, there is no doubt in my mind that for certain positions there is nothing equal to them, providing they are properly cared for. To run away with the idea that when they are once planted they will go on for years without care, is absurd and ridiculous, yet this is what some people say and may so believe. My experience is that they require as much attention as other parts of gardening to make them a success.

The best kinds are those that thrive in any given locality, which can be determined by experiment and observation. The extent of our country is too vast, and the climatic difference too great to give a list suitable for all. A list of say 50 shrubs and a list of 50 hardy perennials from two widely separated parts in each state would, in my opinion, be of great assistance to all the readers of the AMERICAN FLORIST, for depend upon it, perennials and shrubs will soon be as necessary to a florist as are cannas and geraniums.

In comparing the cost and maintenance of hardy perennials and shrubs, with that of such plants as require the protection of a greenhouse from November to May, the balance will be decidedly in favor of the former. Furthermore in the disposition of the material, the former can be planted between March 25 and May 1, and again between last of September and first of November, and when plants are not disposed of, from many kinds sufficient flowers may be cut to pay for their care and the rent of the ground each year.

But you cannot make a cent out of perennials and shrubs unless you care for them any more than you can out of anything else. One day last spring I was finishing some planting about 150 miles from Chicago and required about 50 shrubs and as many perennials. The nearest local florist lived about five miles away and I drove over and met him at the entrance of his store, inquiring for what I needed. Why sure, says he, I have got just what you want, fine stock from Rochester and Painesville. Away we went, and to my disgust what did I find, bunches of spiræa, weigelia, hydrangeas, Philadelphus and lilac that were heeled in just as they were received from the nurseries the spring previous. He would sell 'em cheap because the people wouldn't buy round there. What would I give for them? Not a dollar for the lot, I replied. This man had an acre or more of ground with nothing on it, yet he lets valuable stock that he paid actual cash for go to waste.

A man like this will never have a good word for shrubbery, yet the people in his immediate neighborhood would prefer to buy of him rather than send 250 miles if they could get what they want. Now don't imagine that I advocate that florists shall turn their whole attention to the above subjects, because it is not so. I want them not to forget to carry good stocks of the best 6 to 12 cannas; good stocks of the best 12 geraniums and grow them well, not pot them in 4-inch pots end of February, stand them as close together as possible, soak them every day with water, let them root through the pots and into the benches and then on the first hot day when bedding begins, fume and sweat and swear because the stock is no good. Grow them cooler, give them less water, turn them round once a week, giving them a little more room each time, and with two or three trusses on each at bedding time, you may sweat but you won't swear. Add coleus, verbenas, heliotrope, petunias, nasturtiums, transplanted asters and dwarf zinnias, together with a score or more good things for which there is always sale, providing the stock is well grown.

J. T.

POUGHKEEPSIE, N. Y.—The next meeting of the Dutchess County Horticultural Society will be held at the courthouse on January 12, at which time the annual report of the secretary and treasurer will be made, and officers for the ensuing year will be elected. The annual dinner will take place in the evening at the Nelson House.

Speaking about FLORISTS' SUPPLIES, we have been tinkering away at this line of work ourselves for about 20 years. We ought to be able to sell you by this time, don't you think? There are mighty few wholesale men who are not Specialists in this line. Here are a few sample PRICES.

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Sound Delivery Guaranteed.

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	Per 100	Per 1000
7–9 inch	$3 75	$35 00
9–11 inch	5.00	45 00
11–13 inch	8.00	
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LILIUM RUBRUM (Speciosum)

7–9 inch	$4.75	$40 00
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11–13 inch	9 50	

LILIUM ALBUM (Speciosum)

7–9 inch	$6 50	$55.00
9–11 inch	7 50	65 00
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BEGONIAS TUBEROUS ROOTED....

	Per 100	Per 1000
Single, separate colors	$3.50	$30 00
Double, " "	9.00	

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First size,	$1.00	$7 50

TOBACCO STEMS, about 175 lb. bales, per 100 lbs. f. o. b. Chicago, $1.00; 500 lbs. $4.00. Special rates per ton.

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PERFECT IN SHAPE.

Here are a few sample prices; 33 per cent off, more if you buy big.

CROSSES. FLAT.

Inch.	Price.
8	$.02½
10	.03
12	.04
14	.05
16	.06
18	.07

WREATHS. FLAT.

Inch.	Price.	Inch.	Price.
8	03½	11	$ 06½
9	04½	12	.07½
10	.05½	14	.09

ANCHORS. FLAT.

Inch.	Price.
8	$.06
10	.08
12	.10
14	.12
16	.14

Wheat Sheaves

AS GOOD AS IT IS POSSIBLE TO MAKE THEM. 20 per cent off these prices.

Flat, A, each		$ 15
" B, "		.25
" C, "		.35
" D, "		.45
" E, "		.55



DOVES....

WE PACK THEM TO REACH YOU IN GOOD SHAPE.

First-class Birds, each $1.15; dozen $12.60.

Second class Birds, each $0.95; dozen $10.50.

Sphagnum.

This is MOSS, not leaves, sticks or Cranberry Vines.

1 Bale	$1.00	3 Bales	$2.75
2 Bales	1.90	6 Bales	5.00

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We carry but one grade, and that the best which the market affords.
COLORED, bright shades, per lb. $1.50, 10 lb. $14.
WHITE, per lb. $1.00, 10 lb. for $9.50.

STEMMING WIRE.

No. 24, per stone	$.65	No. 28, per stone	$1.00
No. 26, "	.75	No. 36, "	1.60

Tin-Foil. A No. 1 STUFF, NOT LEAD.

25 lbs.	$2.00
50 lbs.	3.75
100 lbs.	7.25

IMMORTELLES New Crop. Scarlet, Blue, Yellow, Etc. Per Doz., $2.50.

BLEACHED WHEAT CHENILLE
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At lowest possible prices. Send in your list of wants for estimate.

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84 & 86 Randolph Street, CHICAGO.

Some Evanston, Ill., Growers.

About two miles north of Chicago, in the beautiful suburban city of Evanston, Mr. M. Weiland conducts one of the most flourishing floral concerns in Cook county. Mr. Weiland has been in business here for a number of years, and last summer he decided to rebuild. All the old houses were removed, very little of the old material being used, except the pipes. The place—as rebuilt—has about 70,000 feet of glass, divided in about two equal sections, one section east and the other west of the Chicago, Milwaukee & St. Paul Railroad tracks; east of the tracks are seven houses 25x160 feet with a shed about 14 feet wide running parallel with the railroad and across the end of the houses; coal is unloaded from the cars directly into the shed. The houses are all glazed with 16x24 glass, thus giving about all the light that it is possible to obtain in a greenhouse structure. These seven houses are devoted to roses, all of which were in first-class condition. Beauties were very good, although a little off crop. A house of Kaiserins were extra good, and Mr. Weiland considers this his best paying rose; it pays well in winter and extra well during summer and fall. Testout is also a favorite at this place, and I never saw it done better. West of the tracks are five houses 25x200 feet, four in carnations and one in violets, besides three smaller houses devoted to palms, ferns and miscellaneous stock. The carnations were the best we had seen in many a day. The varieties included Goldfinch, Meteor, Lizzie McGowan, Scott, Portia, Daybreak, Tidal Wave, and also two benches of a variety not in commerce, it is a sport from Tidal Wave, raised on this place, and called Evanston. The habit of growth is about the same as in Tidal Wave, though as seen a little stronger grower. The flower is entirely distinct in color in summer, about like Portia, now it is a very light and pleasing shade of scarlet. As grown here and by Mr. Weiland's son-in-law, Mr. John Didier, situated about two miles from here, it certainly is a money maker. Mr. Weiland has not decided whether he will put the plants on the market. All the varieties grown here were strong and healthy except Daybreak, which was a little rusty, and Lizzie McGowan, a little weak.

About three blocks from Mr. Weiland is the place of our old friend, Mr. J. S. Forster, which he conducted for several years before he accepted a position in Mr. J. C. Vaughan's seed store. While he was in the seed store his greenhouses were rented, and the place shows plainly a lack of interest on the part of his tenant. Mr. Forster took hold of the place again in October and is just getting it in shape. He is growing carnations, which are good considering the late planting; also a miscellaneous stock for retail trade.

John Muno's place was next visited, and here carnations and roses only are grown. Many of the roses were two-year-old stock. These had produced the best results so far and were likely to continue to do so. They were planted in a light sandy loam, very little attention having been paid to selection of soil, yet the stock was strong and healthy.

The establishment of John Didier, 4138 Ridge avenue, was next visited. This consists of five houses 25x200 feet, four in carnations and one in violets. The houses were built a year ago last summer, and were, when the writer visited them, in first-class order. The walks and everything about the place were neat and clean. The plants had also received their share of attention, each one being carefully disbudded. The stock was fine, healthy and vigorous here, and Mr. Weiland's sport was found in better shape than at its home. Strong, healthy plants that showed every indication of having produced a large crop of flowers for some time past, and seemed likely to continue in this way for many weeks to come. Mr. Didier has a bench of Meteor carnations that are very fine; also a house of Scotts that could not be in better shape. Some of the best Scotts we have seen this season were being cut in this house. The Daybreaks and Meteors were also very fine. This is a model place, glazed with 16x24 glass. The gutters are about six feet high with no partitions between the houses; the walks, though a little too narrow, answer very well for carnation growing. There appears before one on entering an immense garden of carnations, with only the few posts upon which the house rests to obstruct the view.

Two blocks south, at 3993 Ridge avenue, Mr. Chas. Swanson holds forth. Mr. Swanson rented the greenhouses last fall; they are old and dark, yet the carnations were in the best of health and condition. Mr. Swanson is well satisfied with his venture thus far. J. T. A.

CLEVELAND, O.—The business formerly run by J. Smith, Sr., will hereafter be known as Smith & Son.

Grand Rapids, Mich.

Christmas trade was good, and all are unanimous that it was a good time. There was a noticeable increase in the demand for palms and flowering plants for presents. Holly sales are on the increase and Christmas green is a thing of the past, people did not buy it as heretofore and every dealer got stuck on it. First-class violets sold readily at 35 cents per dozen, but poorer stock is still on hand. The demand was for roses and carnations.

Crabb & Hunter's Christmas specialty was violets, they were the finest ever offered here. Henry Smith reached the top notch on roses and his selects fetched fancy prices. The Grand Rapids Floral Co. made a financial hit with poinsettias. Not a bad idea to be the only one stocked up in one particular line for a novelty, it usually takes. G. F. CRABB.

Straw Mats For Hot Beds ...and... Cold Frames.

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For PLANTS, PALMS and FLOWERS

...A Wonderful Preparation for the Promotion of Plant Life, Destruction of Insects and Scale...

This is one of the greatest preparations for the use of Florists and Plant Growers ever compounded. It gives to the foliage of plants treated the bright, fresh color of healthy, growing vegetation. It destroys all insect life infecting the plant and eradicates scale.

Besides improving the color of the plant, it effects a general betterment of its condition, aiding nature in disseminating and retaining the sap and life of the plant. The Tonic makes the foliage of the plant soft and pliable, and a beautiful bright green.

For sale at Price per bottle, 25 cents.

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More About Grates and Fuel.

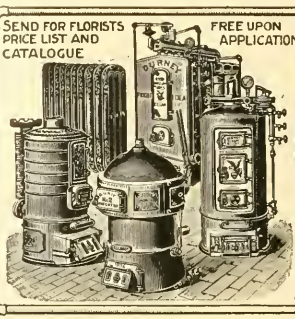
Noticing a communication from "Subscriber" in the issue of January 1 relative to the quality of coal which is most advisable for use and as to the advisability of putting in a "shaking grate," I feel tempted to say a few words in addition to your reply. Your advice to use pea coal is in accordance with my views; but while I do not feel warranted in saying do not put in a shaking grate, I would recommend Subscriber to hold on awhile, first becoming convinced by his own practical experience that such an expense is advisable. In burning pea coal very little shaking is necessary, in fact, you cannot use it economically unless you refrain from shaking often. Firemen who first learn to burn hard coal of the larger sizes after being accustomed to wood or soft coal invariably make the mistake of "poking" too often. The same is true of those who change from large size hard coal to the pea size; once in 24 hours for mild weather and twice for cold weather is enough. The easiest way to light a fire is to use some coke, which lights easily with wood. When the fuel is nicely burning, be careful to have the grate completely covered, for a corner or two uncovered will allow a draught to pass through and deaden the fire. For a successful pea coal fire it is necessary that the grate be completely covered and the mass should be even or smooth. It requires some practice to throw on the coal in order to spread it evenly. It burns like oil, afterward forming a crust, completely covering the grate surface and requires more fuel when the patches of live coal amount to about two-thirds of the surface. Do not break this crust, but spread a layer of coal about half an inch thick over the whole. If a hot fire is needed repeat often, thicker if it is milder and you wish the fire to last longer; but do not break this crust or use the poker until it is piled up 8 or 10 inches, and never put on over two inches of coal at once. You will get about as much heat from two inches as from three inches.

It is best to regulate matters so that your fire place may be cleaned at 2 or 3 p. m., so that you are not bothered at night to do more than shovel in coal. When you clean out run your poker under the fire, pulling it backward and forward. The ashes fall through like flour, and if any heavy clinker breaks off have a rake at hand to pull it out of front door. When you have all the fine dust worked through, and the large clinkers out on one side, that is, half of the grate surface, pat the fire down smoothly, spread some of the live coals from other side on top, put on a layer of fresh coal, apply draught and delay cleaning other half until next time of firing. This is the way we burn 150 tons annually, and we do not think the shaking grate would be a decided improvement. We burn the same coal in one of Hitchings' reservoir boilers, which has a shaking grate; it works well, but I have some misgivings about the large grate of that character doing so well where the thickness of fire is comparatively small. W.

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With frames so low as "Subscriber" describes the lifting machinery would have to be on the outside. This can be done by placing a row of posts along the side of the frames. The posts should be six or eight inches higher than you wish to raise the sash. Fasten a small scantling along the top of the posts; get a galvanized iron clothes-line, fasten three or four small pulleys to the scantling over which run the cable; procure as many small pulleys as you have sash to lift and fasten one to the scantling directly over each sash to be lifted. Commence at the opposite end of the cable from where you wish it to be worked. Take a piece of window cord and fasten to the sash by a staple or any suitable contrivance, run it over the pulley and fasten to the cable about ten or twelve inches in advance of the pulley, then fasten the sash that you have hitched to down and draw the cable tight from the other end; fasten a piece of window cord to each sash, run through the pulley and fasten about ten inches in advance. The best way to make the cord fast to the cable is to take an awl and split the cable, run the cord through it and fasten; take small copper wire and wind around the cable on each side of the cord.

Galvanized cable costs about 35 or 40 cents per 100 feet; the pulleys about 35 cents per dozen. Either a block and tackle, a lever or windlass may be used to give the required power. J. T. A.

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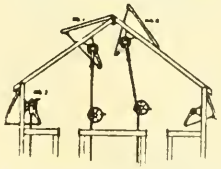
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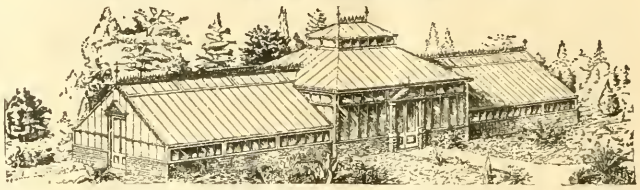
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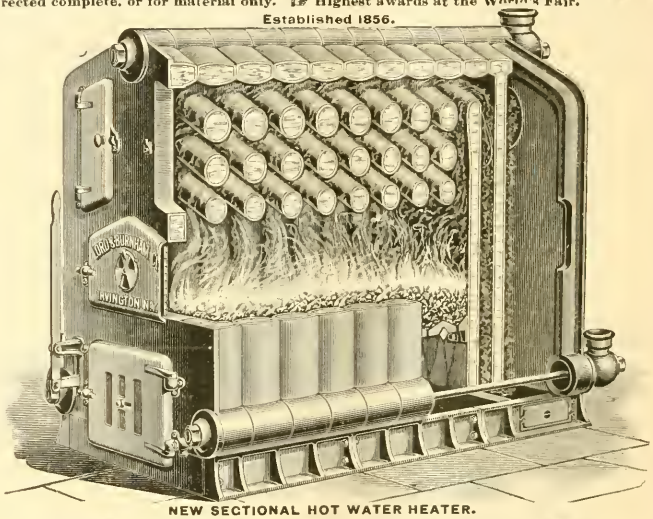
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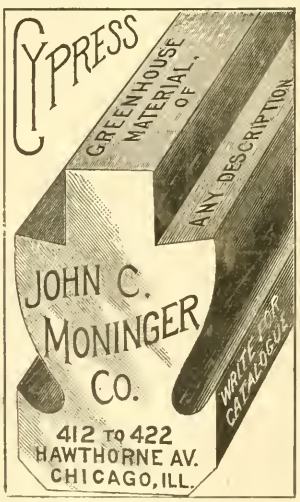


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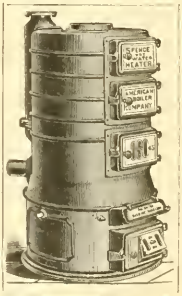
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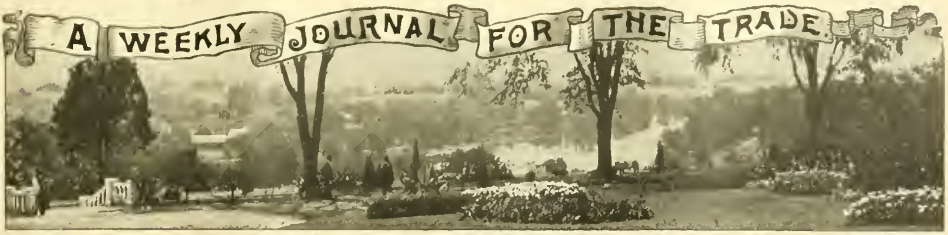
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THE AMERICAN CARNATION SOCIETY.

Annual Convention at Chicago, February 17 and 18, 1898. ALBERT M. HERR, Lancaster, Pa., Secretary.

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THE BUSINESS SITUATION

At the close of 1897 reports were requested from our correspondents in all parts of the country, covering the business of 1897 in comparison with the previous year and opinions asked as to the outlook for the coming year. Instructions were given that reports should be delayed until books were balanced and actual, instead of estimated results could be given. The reports cover both the wholesale and retail branches of the florist, seed and nursery trades, and from their large number and the high standing of the firms reporting, we believe the results are well worth careful consideration.

In general, a decided increase in the volume of business is shown and an exceedingly hopeful feeling as to future prospects Shorter credits, larger percentage of cash transactions, decrease in losses by failures and a decided tendency toward more careful and conservative methods, together with the almost universal better feeling render the outlook for the coming year an exceedingly bright one.

Among the florists, the wholesale lines show the greatest increase, and the plant trade is, as was to be expected, rather better than the cut flower trade.

The nursery trade in the Pacific states has been exceedingly active and satisfactory. In the middle and southwest, nursery stocks are short and higher prices, therefore, anticipated. Nurserymen from Illinois east and south report no decided shortages but a general feeling of confidence that prices will be good and demand better.

The seedsmen in the retail and catalogue lines, while not reporting a decided increase last year, are looking for an increase this year, although it is too early to judge at all accurately. Seed growing is so affected by climatic and personal factors that it is a waste of time to attempt to draw conclusions from growers' reports. The wholesale seed trade shows only a slight advance. Shortages in certain lines and good retail prospects cause anticipations of better things to come, however.

The following are summaries of all the lines in the different states:

STATE.	COMPARISON WITH 1896.	PROSPECTS.
Alabama	Heavy increase	Excellent.
Arkansas	Slight increase	Good.
California	Decided increase in nursery lines; others moderate	Excellent.
Colorado	Slight increase	Much better.
Connecticut	Slight increase	Fair.
Delaware	Slight increase	Good.
District of Columbia	Marked increase	Very good.
Florida	Slight increase	Good.
Georgia	Marked increase	Excellent.
Illinois	Moderate increase	Good.
Indiana	Moderate increase	Good.
Iowa	Decided increase	Good.
Kansas	About the same	Not encouraging.
Kentucky	About the same	Fair.
Louisiana	About the same	Fair.
Maine	Moderate increase	Good.
Maryland	Decided increase	Much better.
Massachusetts	Moderate increase	Much better.
Michigan	Marked increase	Excellent.
Minnesota	Moderate increase	Fair.
Mississippi	Slight decrease	Better.
Missouri	Decided increase	Good.
Montana	Moderate increase	Fair.
Nebraska	Slight increase	Fair.
New Jersey	Moderate increase	Good.
New York City	Conflicting reports	Encouraging.
New York (outside of the city)	Moderate increase	Good.
North Carolina	Decided increase	Good.
North Dakota	Decided increase	Excellent.
Ohio	Decided increase	Excellent.
Oklahoma	Decided increase	Good.

STATE.	COMPARISON WITH 1896.	PROSPECTS.
Oregon	Moderate increase	Good.
Pennsylvania	Marked increase	Good.
Rhode Island	Moderate increase	Fair.
South Carolina	Slight increase	Fair.
South Dakota	Slight increase	Good.
Tennessee	About the same	Better.
Texas	Moderate increase	Excellent.
Virginia	Slight increase	Good.
Washington	Marked increase	Excellent,
Wisconsin	Moderate increase	Fair.
Wyoming	Decided decrease	Not promising.

Starting Specimen Chrysanthemums.

Lengthening days remind us that it is time to commence the propagation of chrysanthemums for specimen plants. Varieties for this purpose should be of medium height, and the stems well clad with healthy foliage. The flowers should be erect, fully double, of medium size and distinct color. I make a trial of twenty-five or more new varieties every year, but it is seldom that more than three or four prove suitable for exhibition. Among a list of desirable varieties will be found many old ones. Our stock plants are now in cold frames. By giving them good protection we are enabled to obtain cuttings at any time of nearly all the varieties we wish to grow. Some few, especially those grown as single stemmed specimens, are shy in producing cuttings. These we place in a more genial temperature, our object being to get in our batch as near as we can together. Stock plants which have been kept in a higher temperature than the cold frame continue growing, and in such cases it is better to cut them back than take overgrown cuttings.

Opinions vary as to the proper time to take cuttings. I have been in the habit of inserting them early in January. While this gave a longer season of growth, it often happened that cuttings taken so early ran to bloom prematurely. Some are ruined for the season and others considerably set back, while a few break again and make good plants. Ivory, Cullingfordii and John Shrimpton have made good plants, after breaking into bud early, and pompons are liable to behave in this way. My experience has been that cuttings struck about the middle of February make the best plants, although one lot of prize winners I know of were started in March. Preference should always be given to root cuttings over those growing on the stem. When I find a variety that persistently refuses to make root cuttings, producing only stem cuttings, I shake it out, put it into a smaller pot and grow it directly into a specimen. The only fault I find with such is that they make specimens of too large a size.

Chrysanthemums will root in any temperature above freezing, and in England it is customary in many places to insert them in pots placed in cold frames. By this plan it is claimed the plants are strengthened in constitution, but I am not aware that it makes much difference, especially in a plant that responds to good culture so quickly as does the chrysanthemum. We use an ordinary propagating bed with a bottom heat of about 60°, and a minimum air temperature of 50°. This insures quick rooting, giving us the space for other stock. Cuttings should be prepared with a sharp knife, and shorn of a few of the lower leaves, and the tips of the upper ones, which would otherwise hang about the base of the cuttings and encourage damping. When this takes place it is almost impossible to prevents its spread through the whole bed. They will need a liberal supply of water for the first few days, and thorough shading when the sun shines. They should be rooted in about three weeks and then may be put into small pots, using a rather light compost.

The following list of new varieties are well worth trying as specimens: Mrs. J. Withers, Martin A. Ryerson, West Newton, President Leon Say, J. H. Woodford, Lawn Tennis, Casco and Katherine Leech. T. D. H.

Notes on Some of the Newer Sweet Peas.

The past season was a peculiar one in the vicinity of Detroit, and seemed to have a curious effect upon some varieties of sweet peas, notably Blanche Ferry, Extra Early Blanche Ferry and Little Dorrit. I had nine different stocks of these sorts planted in trial, occupying altogether some seventy-five feet of double rows, and among the thousands of flowers produced there was not a single normal colored blossom, all being to a greater or less degree like the sport called American Belle, with pink or pink and white striped wings instead of the nearly white ones of the normal flower.

It is a curious fact that the two stocks of Little Dorrit (which were from unimpeachable sources) should show precisely the same sportive tendency as the Blanche Ferry though I understand that Mr. Eckford developed it from entirely different strains. Some of the identical lots of seed used were planted in other Detroit gardens and also at Toledo, Ohio and on the Huron Peninsula; and while the Detroit flowers were like my own, the Toledo and Huron plantings furnished some of the finest and most typical colored blooms I ever saw. This known variation in these varieties illustrates the effect that cultural conditions often have over the sweet pea and make it probable that some of the other varieties of which I am to write developed abnormally and behaved differently at Detroit than at other places.

The Bride. This new white is certainly well worthy of a place. The vine, while not quite so hardy and floriferous as that of Emily Henderson is more so than that of Blanche Burpee, and the individual flowers are fully as fine in size, form and color, in fact cannot be distinguished from those of the latter sort. The especial merit of the variety, however, is in its length, strength and grace of flower stem and the disposition of the blooms thereon, being one of our best sorts in these respects, and forming an exceedingly graceful bunch. To me this quality of gracefulness of stem and poise of flower is an important element of merit and should be considered in the same way as size form and color in estimating the relative merit of varieties. Sweet peas are seldom enjoyed as a single stem, but either as growing on the vine or gathered into a bunch to add to the attractiveness of dress or surroundings, so that availability for this purpose is surely worthy of consideration.

Prima Donna. This is quite similar to Katherine Tracy and I will compare it with that variety. At Detroit it was a very vigorous grower, producing a great number of flower stems, each with three or four blossoms, four to the stem being as common in this variety as three in the other. The stems are heavier and the flowers more stiffly placed and less gracefully poised and roll much more, so that though there are more of them they formed a less graceful and effective bunch and the row at no time looked as brilliant as that of its American rival. In color as grown at Detroit they are about alike, both being a uniform shade of soft and delicate but brilliant rose pink or blush crimson, rather better diffused and more persistent in Katherine Tracy.

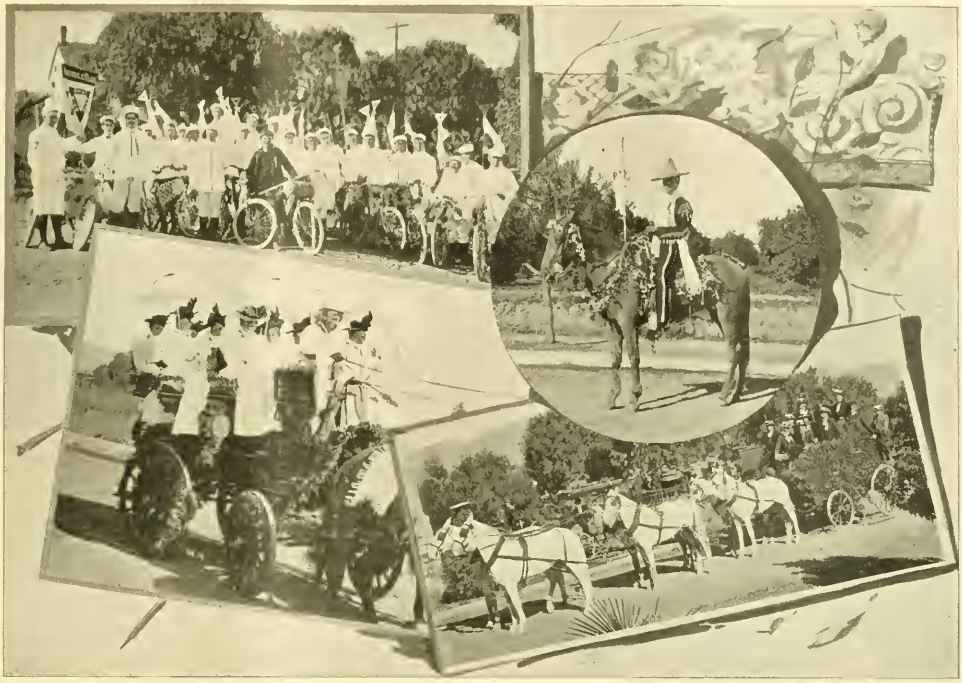
The standard of the English sort was a little—and but a little—the largest and best in form, being a little fuller at the base. At first it is well expanded and nearly flat with just sufficient incurve to give grace but it soon rolls forward in a way which though graceful, lessens the effectiveness of the flower, while that of the American sort remains boldly expanded till it fades. The wings were larger and better formed but to my taste less gracefully rolled. I saw the two varieties growing in the same gardens in New York and Vermont where they developed relatively about as at Detroit, but in Canada Katherine Tracy did much better, being very large and persistent and fine in color, while Prima Donna did not do so well as at Detroit. On the other hand in California Prima Donna did decidedly the best, being far better in size, form and color and the standard rolling much less than at Detroit, while as grown there Katherine Tracy was no better in size and was poorer in color than in Michigan, and very much inferior to the Canadian blooms.

Royal Rose. This seems to me the largest and finest formed sweet pea yet introduced The plant is strong growing and produces a good number of stout flower stems bearing two or three close set and a little stiffly poised flowers. The standard is of immense size and of great substance; it is nearly round with its longest diameter a little below the center. It is boldly expanded and remains nearly flat till the last. The wings are very large and thick, beautifully incurved rather than rolled and retain their form better than most. If taken off and laid flat the pair will exactly cover the standard. In color the flower is a cold purple pink, something like, though a shade darker, than Apple Blossom, and it is nearly the same shade throughout except in the back of the standard, where it is darker. This is a magnificent flower, but it is one to admire rather than love and in spite of its size and beauty it is not likely to become as popular as some of its softer colored and more winning sisters.

WILL W. TRACY.

The Tournament of Roses at Pasadena, Cal.

Nowhere in all his course did the sun shine on a fairer scene or a happier people than when Pasadena "received" the new year with her ninth annual tournament of roses. As grandly and gaily as in the years gone by, blue and gold—the tournament colors—the blue for her mountains and her skies the gold for her oranges and poppies of her hillsides and her valleys, gaily fluttered on every side, for the entire city was magnificently decorated. Along all the principal avenues and streets, from poles, wires and every available place, proudly floated and waved banners and streamers. Business houses and private residences were lavishly decorated



THE TOURNAMENT OF ROSES AT PASADENA, CAL.

with the same festal colors. There is but one Pasadena and one tournament of roses on New Year, and the wonderful display this year fully merited the admiration and applause that greeted it by the multitude that came to see this unique spectacle.

The day was perfect, what in the east would be termed an ideal spring day, and the myriads of people who thronged the streets were clad in the daintiest of summer attire. Twenty thousand is the estimated number of visitors. They saw a floral procession a mile in length, men and women, animals and vehicles almost hidden from view in their garlands of flowers. There were wagon loads of roses, carnations, callas, acacias, orange blossoms, marguerites and marigolds, poppies and poinsettias, pines and pepper branches, and unnumbered strings of smilax. It is estimated that over one ton of flowers, vines, etc., were used for the fire department's tasty decorations. Whence came all these? It was expected that owing to the recent frosts there would be a great scarcity of all kinds of flowers, but the immense quantity used on this occasion was a revelation even to old residents here and shows how rapidly vegetation recuperates in this favored clime.

For weeks all those who intended participating in this reception had been planning something that would merit first prize, for be it understood there is a generous rivalry for prizes, and each one endeavors to surpass all others in his class. Thus it is that so much time and so many flowers are used to produce the artistic effects that are so charming We would gladly describe each of the individual entries in this wonderful procession but space will permit of a brief note of only the most interesting. Scores must pass unnoticed whose merit deserve special mention, but the editor will frown and say cut it short.

Our illustrations show four interesting entries in the procession. The coach of the members of the Chamber of Commerce of Los Angeles was drawn by six white horses and the decorations were very elaborate. The Hotel Green coach was drawn by bay horses, the harness wrapped in green and scarlet and this effect carried out in the decorations also, red geraniums being principally used. The ladies in the coach were all costumed in white with scarlet "furbelows" and trimmings. The young men's bicycle club with decorated wheels and white costumes made a very noticeable display; the young man in the black costume has just finished a 14,000 mile journey on the wheel beside him. The other figure is a young man representing a Spanish Cavallero. He carries the first prize banner.

Good Geraniums.

By request I give a list of the best and most deserving varieties for general cultivation as they have come under my observation. I do not claim that this list contains all the varieties worth growing, nor shall I confine myself to the new varieties, but name the best sent out during the past twelve years, omitting the new ones to be offered for 1898, thus giving a list of good varieties that can be purchased at a price within the reach of any grower. The varieties best adapted for massing or bedding purposes are marked thus "X," yet many of the others are fair bedders, but they are especially suitable for market purposes owing to their fine flowers or distinct colors.

Double scarlet—x M. Alphonse Ricard, x Acteon, x J. J. Harrison, x W. P. Simmons, x Wm. Kelway, Mme. Bacot.

Single scarlet—x Theodore Theulier, x M. P. Olombel, x W. A. Chalfant, Athlete, Deuil de Miribel.

Double dark red and crimson shades—x S. A. Nutt, x A. Dupre, x Mme. Dupont, x Le Cid, Edward Dauglede, Eugene Lambert, Francois Magnard, x M. A. Borie, aine.

Double white—x Mme. Buchner, x La Favorite, x Mme. Ayme Chevreliere.

Double salmon shades—x Wilhelm Pfitzer, Beaute Poitevine, x Dr. Audiguier, Ruy Blas, x Gloire de France, x Mme. Wettstein.

Single salmon shades—x H. Dauthenay, x Mrs. E. G. Hill, x Van Dael, x Baronne de Scalibert, x Mrs. A. Blanc.

Double pink and rose shades—x Emile de Girardin, x Mary Hill, Claire Fromont, x Comtesse de Castries, x Francis Perkins (Bailey's Pink), Surprise, x Le Contable, x Catulle Mendes, Marguerite Pinon, x De Lacepede, x Duc de Mertemart.

Single pink and rose shades—x Granville, x Mme. du Luc, x Madonna, Mme. Alphonsine Thome, M. Poirier.

Single white—x L'Aube, x Mrs. J. M. Garr, x Marguerite de Layre.

Other distinct colors—x Mme. Bruant, Fleure Poitevine, J. Sallier, Dr. Argueyrolles, x Pres. Victor Dubois, x Mme.

Jaulen, Baron Foache, Camille Bernardin.

The above varieties are described in nearly all the leading wholesale catalogues, hence I will not take room for description here. In conclusion I wish to say a word to that class of geranium growers who make the claim that their customers only demand about three varieties. I pity the patrons of such a man. If growers will include in their stock some of the new and distinct colors, they will be surprised how speedily their patrons will appreciate the new and good things in geraniums, as they do in new carnations. A. T. SIMMONS.



DENDROBIUM NOBILE IN 6-INCH POT.

Dendrobium Nobile for Christmas.

Here is a photograph of one of the Dendrobiums, nobile, grown for the holiday trade in 6-inch pots; they were grown in a close atmosphere all last summer until September 1, when we removed them to a lighter and more airy house, keeping them only moderately moist, but they were not allowed to become dry at any time. The temperature in this house was at no time above 80° and since October, when fire was started, we endeavored to maintain a night temperature of between 50° and 60° with an increase of about 10° in the day-time. The joints commenced swelling slowly soon after the plants were hung up near the glass in this house, and those in the warmer end came out splendidly just in time for the holiday trade.

Most all of our plants are home-grown young stock, not imported; it takes several years to produce good-sized plants, but when four or five rooted top growths are placed together in a pot or pan, we may generally expect a fair specimen of the size mentioned after two years' growths from the start, some of the smaller and weaker growths may not be in that shape until the season after that. They are, however, very easy to manage and when grown together with palms cause but very little extra labor. They receive their waterings while we are syringing the palms, occupy no valuable space, because they are suspended from the roof over the other plants, and are repotted but once a year. We have some larger and older specimens which do not receive a yearly repotting, merely a removal of the top layer of sphagnum; some of these plants are in 10-inch pans and have for several years produced remarkably long and stout canes under the same treatment; they are not yet in bloom but are well set with buds. J. B. K.

An Old School Florist.

On December 29 last, a reception was held in honor of the eighty-third birthday of John Dick, which was attended by many of the members of the craft of this city who called to extend their congratulations, present him with a cane and pass a few hours with their old friends once more.

Mr. Dick has lived in Philadelphia since 1836, coming here from Edinburgh, where he was born in 1814. He landed in this country with a good constitution, the lawful amount of clothing and a determination to get along. This was the extent of his capital. He soon secured employment, however, working for Andrew Dryburgh, a commercial florist, and as a private gardener to Dr. Pepper.

In 1838 he started in business with James Ritchie, at America and Oxford streets, the firm name being Ritchie & Dick. It may be interesting to state that their friends advised them against the venture, as there were already two firms well established, Andrew Dryburgh and James Sherwood, and there would not be enough business for them all.

Their location was a matter of concern to them; the refusal of a large plot of ground on which the building of the Union League now stands on Broad street below Chestnut, for the up-town property, proved be be a grand mistake, the Broad street land value being worth now at least $600,000 while the place selected would not realize one-tenth of this sum at the present day. It has long ceased to be a floral establishment.

The firm of Ritchie & Dick, in spite of the great competition (?) was quite successful. One of their early ventures, that of forcing strawberries, proved a failure, Mr. Dick saying that when they bloomed they were found to be all "he uns" and would not set fruit.

In 1850 Mr. Dick purchased a farm of some fifteen acres at Fifty-second and Darby Road and erected some greenhouses, and here commenced a business which grew to be one of the largest in the country. He grew largely the then popular plants of the day, camellias, daphne, Olea fragrans, gardenias and azaleas, and did a large business in the southern states, where this class of plants were hardy. Later on he was a large importer of new plants from Europe and made many trips abroad to personally inspect the novelties. He was among the first to import the new geraniums, coleus and other bedding stock. These he grew in large quantities, often devoting a house or more to one variety. During the busy spring season the wagons of the dealers stood in long lines waiting their turn at his gates. He also conducted a city store for the sale of seeds and plants, first at Second and Market, afterwards moved to Twelfth and Market, and finally to 1721 Chestnut street, where he continued until 1876, when he sold out to J. Kift & Son. During the time the camellia was in demand, Mr. Dick had large quantities for sale, the holiday price being $50 per hundred.

Mr. Dick was a great economist and built his houses at comparatively small expense. They were erected mostly on the side of slope facing south with the sill but a foot above the surface of the ground. When the house was low, the walks were depressed to give head room. He invented a saddle back tubular boiler, with hollow grate bars for water, so as to absorb all the heat possible.



JOHN DICK.

At one time he was quite largely interested in the nursery business and was an extensive grower of fruit and shade trees.

Mr. Dick was a good judge of real estate and made many profitable investments. His holdings now adjoining his homestead amount to about thirty acres, which has grown very valuable and is being rapidly encroached on for building lots.

About 1883 he sold his interests in his greenhouses to his son, John Dick, Jr., who continued the business for a time. The houses have now all been removed and nothing remains but the old homestead, where Mr. Dick still resides.

Mr. Dick has a very kind and genial disposition and is a man of correct habits. He believes that tobacco and liquors are injurious to the system and never indulges in these luxuries. He has always been very methodical and never believed in forcing himself to fatigue. His custom has always been to take a nap after dinner even in the busiest season.

Mr. Dick's family consists of three daughters and one son. The Halliday Bros., of Baltimore, are his grandsons. His wife, who was a sister of his former partner, died a few years ago. In appearance Mr. Dick is quite hale and hearty and his only infirmity is that his memory for dates and faces does not serve him as well as in the days of "Auld Lang Syne." K.

Politics and Horticulture in New York.

To plough ahead in Tammany
Your soil should be well spaded;
'Tis well to be a Gardiner
And keep the ground well Grady-ed.

But flowers exposed to too much sun
Soon wilt and droop quite faded;
And thus 'tis good, as understood,
To keep your plants well Shea-ded.

The fine arts, too, are good to know,
And that your voice be heard,
'Twere well to practice singing, so
You'll Carroll like a Bird!

—*New York World.*

Cypripedium Rothschildianum Crosses.

Mr. A. Herrington was in Philadelphia a short time ago, and it was a treat to come in contact with the man who has recommended that a course in cypripediums would appear to be in order at the winter meetings of the Florists' Clubs. Personally, nothing would please me better. The difficulty would be in securing sufficient teachers to go around. I have a plan to propose which I will unfold later on.

It was interesting to listen to Mr. Herrington when speaking about hybrid, or rather seedling orchids, the results of crosses, especially among cypripediums. Here is his list with Rothschildianum as one of the parents:

Name.	*Raiser.*	*Parents.*
Massaianum	Sanders	C. superciliare x C. Rothschildianum
A. De Lairesse	Sanders	C. Curtisii x C. Rothschildianum
Mars	Sanders	C. Harrisi'm x C. Rothschildianum
Neptune	Sanders	C. Io-grande x C. Rothschildianum
Lord Derby	Statter	C. Rothschildi'm x C. superbiens
Excelsior	Statter	C. Rothschildi'm x C. Harrisianum
Y'mir	Measures	C. Hookeræ x C. Rothschildianum
W. R. Lee	Lee.	C. superbiens x C. Rothschildianum

Of the above one only appears in the 1894 edition of Williams' Orchid Grower's Manual, the first one on the list, namely, Massaianum, and they are all of European origin. Mars and Excelsior it will be noticed have the same parentage, the difference being that the crosses are reversed. Lord Derby and W. R. Lee are blood relations, and in this case also the crosses are reversed, and it is a noticeable fact that there is a close relationship between the two varieties mentioned, and the one raised by Mr. H. Clinkaberry and named Edwin Lonsdale, for superbiens (sometimes called Veitchianum), is a superior form of barbatum, and barbatum is one of the parents of Mr. Clinkaberry's seedling. It is presumed that they are all sufficiently different to warrant the retaining of distinct names.

Here comes another ticklish point. It appears that since the above list of cypripedium crosses has been made known by Mr. Herrington, he has learned that a seedling has been raised in the orchid houses of H. Graves, Esq., which has the identical parentage as that of Mr. Clinkaberry, and which flowered for the first time over a year ago and again during the year just passed. Here is where something more than a school is necessary. Supposing the two varieties which originated in the respective establishments of Messrs. H. Graves and C. G. Roebling, on comparison prove to be so nearly alike as to render it unadvisable to retain the two distinctive names. Which name should have priority, that is, if Mr. Graves' seedling has been given a name? In my judgment the name given to Mr. Roebling's seedling should be given precedence, because it has been publicly exhibited with a name attached, and recognized by the award of a silver medal by a horticultural society, which has a standing in the world of horticulture nearly everywhere.

Since exceptions have been made to the reports which appeared in the trade papers in reference to the standing of this variety among seedling cypripediums, it behooves us to endeavor to make a statement in relation thereto. The committee of arrangements of the Pennsylvania Horticultural Society desiring to do justice to Mr. Roebling's seedling, sought orchid experts among the visiting brethren and secured Messrs. John Thatcher and F. L. Atkins, the latter is well known as having been connected for a number of years with the late firm of Pitcher & Manda, and the former was until recently orchid grower in the gardens of Homer Bass, Esq., England, and now with Charles Dissel, Esq., Wynnewood, Pa. These two gentlemen are enthusiastic lovers of orchids, and after deliberately examining the plant and flower, with the description handed in, recommended that the Pennsylvania Horticultural Society make an award of a silver medal, and the statement that it was believed to be the first seedling cypripedium, the result of a cross in which Rothschildianum was one of the parents, to flower in this country or in Europe, was to the best of my recollection made incidentally and was not a part of the judges' report.

The remedy against a repetition of similar errors would be for an orchid committee to be appointed by the S. A. F., whose duty it shall be to solicit registrations of all seedling orchids as soon as in bloom, with pedigree and descriptions, and if possible let it be exhibited before any regularly organized horticultural society or Florists' or Gardeners' Club, and if it be found sufficiently distinct to warrant the giving of a varietal name, let it be done, and in that way we would have a permanent record for our guidance in the future, as these records would be reported to the S. A. F. at its annual meetings, and thus become a part of the proceedings and be printed in the published records of that good old society. L.



CYPRIPEDIUM EDWIN LONSDALE.

Carnation Notes.

When the little white roots or feeders push through the soil, as they are doing now, it may safely be taken for granted that the plants are in vigorous health and searching for nourishment. This is therefore the proper time to supply more food; but before we attempt its application, it will be well to remove all the scum and loose dirt that may have gathered on the surface of the beds, taking care that under no circumstance the soil is so far disturbed as to injure the young roots. The best food for present use will be found in a mulch of well decayed manure and good live soil thoroughly mixed and in equal parts. This compost should be reduced to a tolerably fine condition, for it has been found that when the soil is applied in a rough state, the beds are liable to become stagnant on account of the presence of many hard lumps of earth which retard the circulation of air in the beds, thus preventing that periodical drying-out which is essential to a healthy condition of the soil.

Good sheep manure makes an excellent mulch, if one is so situated as to be able to procure it easily, and chicken manure

is also good. But in using both these manures, it is necessary that some care be exercised so as not to apply them when they are in a very green condition, for they are then very fierce and quick in action. This caution, however, should not be carried to the opposite extreme, employing that mass of dust and dried chips, of little or no strength, which is sometimes given the name of sheep manure. In the case of such varieties as are slow in maturing, the addition of a little nitrate of soda to the mulch will be beneficial—the full of a 5-inch pot to sufficient mulch to cover 50 linear feet of a 6-foot bench, thoroughly mixing the nitrate with the soil.

In using nitrate of soda, we prefer it only moderately crushed, for several applications of water are then necessary before it dissolves, thus insuring to the roots a gradual and extended rather than a large and immediate supply of this stimulant. The soil here contains little or no lime, and we find it an advantage to supply the deficiency to some extent in the preparation of our bench compost, especially in the case of weak stemmed varieties. This also requires renewal in some measure just now, and therefore, before the mulch is applied, we scatter a light coating of wood ashes over the surface of the beds. Bone meal, in the case of varieties with stiff stems and heavy growth, serves the same purpose to our entire satisfaction. But as the conditions and circumstances of the growers are so varied, rules as to the use of fertilizers so impossible of universal application, the foregoing hints are not to be interpreted as other than mere suggestions which practical men will modify or enlarge upon according to the needs of their different soils and their favorite varieties.

C. W. JOHNSON.

Flower Shows.

THE BOSTON POINT OF VIEW.

Chrysanthemum exhibitions in Boston are given by the Massachusetts Horticultural Society, the prize list being based on the annual appropriation made by the executive committee, subject to the Society's approval, in December of the previous year. The schedule for the full list of exhibitons of the incoming year is printed and distributed to members of the Society on January 1. As the Massachusetts Horticultural Society is a wealthy organization, owning its exhibition halls and in receipt of a substantial annual revenue, the financial question has not the importance here that it necessarily assumes in most other localities. In fact, out of over twenty exhibitions which are regularly scheduled for each year all are free to the public excepting two, one of which is the Chrysanthemum Show, and in making up the premium list the advancement and development of horticulture is the main consideration with the committee, the question of financial support being a minor one.

To make the show an exponent of the best achievements in chrysanthemum culture up to date, an artistic and professional success, neglecting no class, is the first aim of the schedule committee and the arrangement committee. Uniformity is sought in vases, labels, tables and other adjuncts, and business cards are prohibited in all cases. Blooms shown on flat boards are not provided for, being regarded as deficient artistically and practically as the important points of stem and foliage are absent in such arrangements. Exhibitors of previous years are freely consulted in making up the schedule and their suggestions and criticisms as to specifications in the various classes are given careful attention, it being rightly assumed that if the preferences of exhibitors are reasonably catered to, the best and fullest results are thereby assured.

Neither of the Society's halls are large enough to accommodate the chrysanthemum exhibition, which is thus of necessity divided into two sections, the cut flower section occupying the lower hall and the plants the upper hall. This makes the employment of music as an attraction of the show somewhat awkward and it is not done, although there is no question that it would assist in drawing a larger attendance than is attracted by the display of plants and flowers alone, for in these realistic, hustling days of kinetoscopes and "continuous performance" houses, exhibitions of "still life" are a very feeble attraction. The time honored stuffed Santa Claus in the big store windows has had to give way to the live reality and in the familiar rug weavers, cigarette makers, candy pullers and muffin bakers we recognize the concessions of the storekeepers to the demand of the restless public for something that "goes."

In the earlier days of chrysanthemum shows when Mikado music and chrysanthemums were twin "fads" (it was mammoth pumpkins a generation earlier) the twisted and eccentric freaks that the chrysanthemum culture of the times brought forth excited the public curiosity for a while and supplied the sensational features so essential to financial success, but this could not last always and today we find that chrysanthemum shows, intensely interesting as they are to experts and growers, have lost much of their magnetism for the general public, and that although many thoughtful and well-meaning men have tried to tell us how to manage successfully grand flower shows (they are all "grand" now-a-days), the discouraging fact comes home to us with increasing frequency each year, that flower shows unaccompanied by sensational features are almost sure to fall short when the cash receipts are counted and that even in conjunction with other attractions they are rather risky investments. It is plainly evident that the public are pretty well satisfied to get their knowledge of floricultural progress from the windows of the enterprising florists, which costs them nothing, and their recreation in the more sensational and exciting entertainments now so generally provided.

It seems that this discouraging condition is not confined to any one locality but prevails in nearly all quarters and to affairs managed according to varying standards. Unfortunately, not many of our horticultural societies or florists' clubs are able to do as the Massachusetts Horticultural Society does, year after year, and young organizations will wisely hesitate before venturing on such enterprises without having first obtained such guarantees as to premiums and other expenses as will secure them against possible embarrassment, while the other societies may find it necessary to discontinue their exhibitions or make such reductions in their premium lists and changes in their policy as will be a great misfortune for the cause of practical floriculture.



CYPRIPEDIUM BELLATULUM ALBUM.

Cypripedium Bellatulum Album.

This lovely pure white form of Cypripedium bellatulum was exhibited for the first time in this country at Boston, January 1, by Mr. W. W. Lunt, who was awarded for it a silver medal by the Massachusetts Horticultural Society. Cypripediums as a class have not enjoyed that popularity for commercial cut-flower purposes that they merit, because of the absence of bright clear self colors and in many of the much-lauded varieties of recent introduction the novice finds but little to enthuse over. The flower we illustrate is an exception. May we not reasonably hope that the labors of our patient cypripedium hybridizers may yet result in placing within reach of our commercial growers, varieties with flowers as handsome as this white bellatulum, but (there's always a "but"), with longer stems. Mr. Lunt grows Cypripedium bellatulum in a rather high and moist temperature and in as strong light as possible, except direct sunlight.

Carnations Psyche and Painted Lady.

The subjects of our illustration are new varieties grown by E. G. Hill & Co., Richmond, Ind.

Psyche is of the Helen Keller type but said to be a free bloomer and very easy to do.

Painted Lady is a red of fine size and build and a very free bloomer. It is between the color of Tidal Wave and scarlet. Both varieties were exhibited at Cincinnati last week.



CARNATIONS PSYCHE AND PAINTED LADY.

Chrysanthemum Certificates.

Mr. Stollery's views as presented in a recent number of the AMERICAN FLORIST are alike interesting and valuable.

The best way to determine the value of a novelty submitted to the society for a certificate is exactly what is wanted, and anything that has a practical bearing upon the subject will be accepted as an article of faith in the chrysanthemum creed. The officers of the society are alike popular, genial and efficient, and I am assured, desire all resultant good possible. What the society should strive for is a stronger membership—active and associate. The annual membership fee of but $1 ought to line up the entire rank and file of the trade, and an annual exhibition under the auspices of the Chrysanthemum Society of America would be extremely gratifying to all concerned.

But we hear on all sides that horticultural enterprises of this sort are nonpaying, and therefore to provide suitable exchequer we shall need to enlist the interest and aid of enthusiastic amateurs and connoiseurs towards maintenance. Surely there are some fortunate individuals who possess spot cash from some lucrative wheat deal or other to help us out. The poor grower is liberal to the extent of his resources, but is flat down as to pocket. Why not advertise for an exhibition fund and endowment? the very novelty of which might attract some prince of beneficence! Something like this, say, Wanted! $1,000,000 endowment!! for the worthiest horticultural enterprise extant—to be established in the humanitarian interests of art and nature, irrespective of creeds or adverse opinion, and the same to constitute a perpetual memorial of perennial good-will to the race in matters horticultural!

It is plain to be seen that the inception is monumental. All that is needed is a substantial base and corner-stone of cash in hand. Provide me the cash and I will consult at once a horticultural architect, some generous-minded soul who will draw the plans liberal enough, but not draw too heavily on our resources. Say, but it would boom the chrysanthemum business, now wouldn't it? Every class would be represented and still there would be room for more novelty and less monotony—and we wouldn't need to fret, worry or wonder where in thunder the money was coming from to liquidate expenses. Expense account is the hardest of all to liquidate, nobody seems willing to "shake" or "set 'em up!" Just think of it! An endowed flower show! Why, every city would scramble for it, and congress would have to decide the matter, like the World's Fair, and a national charter would be presented complimentary, and the band would play national airs! It would rival a Madison Square horse show without any horse-play, and this would be the millenium era of horticulture!

Aerial flights of fancy often reach remote possibilities, while prosy plodders actually prefer conventional ruts. The world is wide! All of which may be considered nonsense, still if you will read "between the lines," can you not discern some method in my madness? "Trifles light as air unhinge a world's history." To go back to the point of convergence. Judging chrysanthemum novelties—sports and seedlings—my thought on the subject is to accept Mr. Stollery's offer as to three specimen blooms—and to gain a certificate let them pass at least three of the committees. This ought to determine enough comparative merit to entitle an award. Geographically it is almost impossible to reach all the committees, in good form, with novelties. It really seems necessary to have the work of one committee corroborate another.

There ought to be some classification of colors, shades, tones and tints, as the equation of personal taste presents diverse inequalities. One creamy white scores low, another higher, and still another high, low, Jack and game! 25 points. Several of the yellows fare the same way. Color means simply color and not variety. I believe the variety is often judged with the color, instead of separate. In speaking of variety I naturally refer to individuality. In puzzling over the report of the general committee, taken as a whole, what do we understand by fullness? I always supposed doubleness was the special significance. Wm. H. Chadwick is thoroughly double to the center; it has never shown the least suggestion of an eye, and yet the different committees scale it 9, 10, 14, 15. A sport of Mrs. Jerome Jones, with an eye, scores 14 points. When Mrs. Jerome Jones or Maud Dean are well done the eye is fully covered and is no objection; again its prominence is an objection. Here is a nice point for discrimination, and another is size, that is still more of a bugbear. The question before the house is, how large must a chrysanthemum bloom measure to score the full number of points? Don't all speak at once, gentlemen. The work of the committee is not to see how many varieties can be turned down, but to judge fairly those that possess distinctive merit. And it must be plainly shown that points count as per accepted schedule. Withal there is too much latitude for personal taste and prejudice.

As for myself I have no individual grievance with any of the committees; however, there is some needed revision of the present system of judging, and some of the measures involved are vital. Aside from its bloom, let me once see a variety growing and I can satisfy myself better as to its intrinsic merit. Equality of growth and bloom is the desired Mecca.

GROVE P. RAWSON.

Flower Show Suggestions.

A correspondent calls attention to the successful run of the international exhibition at Hamburg, Germany last year, and contrasts it with the failure which has so far attended the effort to make flower shows popular on this side of the water. To the greater love for art which prevails among the Germans is attributed in large part, the favor which such institutions find there, and the origin of this is carefully traced and placed to the credit of the teaching imparted to the youthful mind in school days, while our educational system tends rather to promote commercial enterprise. It is further held that there is a lack of variety in our exhibitions, and that the large premiums are too frequently given to the specialties

of a few exhibitors as opposed to the great variety of common plants which from their associations and simplicity of culture appeal to the public in general.

In conclusion Mr. E. advocates an extension of the consideration already given gardeners and their employers in these matters, suggests an admission fee graded to meet the circumstances of the various classes of a community, with a 5-cent ticket for school children, and teachers free, and advises that competent persons be appointed to describe the exhibits for the newspapers.

Philadelphia.

GOOD PROSPECTS FOR A BUSY SEASON.—PRICES DOWN.—MR. HEACOCK SELLS HIS NEW PINK SEEDLING, ELIZABETH.—VISITORS.

Orchids seem to be having a season of popularity just at present, as in several large entertainments the past week or so they have been used lavishly. Graham is right in it with the large private balls, most of which functions are held in Horticultural Hall, and the decorations for which are generally of an elaborate order. At a large private ball at the Bellevue Hotel the floral furnishings, which consisted largely of asparagus, cypripediums and cattleyas were furnished by H. H. Battles.

There are quite a number of large entertainments ahead and the prospects of a busy season are good, although just at present and since New Year's the transient business in the stores has been anything but good. There is an abundance of good stock around, roses now being at about their best. The weather, which has been cloudy and murky the past few days has affected the color a trifle, but the extras show up all right.

Prices are down a trifle, the high grade teas now going for $8 to $10. A few of the very select bring $15, but they have to be extra fine. The second division stock ranges from $4 to $6, at the latter price some really good Brides and Maids are to be had. Beauties from $7.50 per dozen down, are to be had in quantity, the majority bringing $2 to $5 per dozen.

Carnations average $2 for good stock; from $2.50 to $3 is asked for the highest grade, and even $4 for some special variety. A very good quality can, however, be had for $1.50 per hundred, and the fakirs on the streets offer what appear to be quite nice flowers at 20 cents to 25 cents per dozen, their buying price being probably $1. A little more of this mild weather will probably send prices to a lower grade, and yet many growers say they don't pay at much less than $2, and those who grow fancies say the extra care eats up the fancy price.

Mr. Heacock has sold his new pink seedling Elizabeth, to Messrs. John May and Robt. Craig. It is a very fine flower and will be heard from in the future Several other firms were after it but Messrs. Craig and May bid the highest and secured the stock.

Young ferns suitable for the table fernery are now very scarce. There is always a great plenty of stock early in the season, but January generally finds the market bare, and it is so again this season.

Daffodils are slow appearing, none being offered as yet; probably it is just as well for the growers.

Nice plants of azaleas seem to have lost their novelty and for the present are not very good money makers for the florist.

Visitors in town: John N. May and Julius Roehrs. K.

Moss Bank on Greenhouse Wall.

Our illustration shows a portion of a wall in the greenhouses on the W. S. Wells estate at Newport and it suggests a way in which many a bare and unsightly spot in commercial establishments might, with little trouble and expense, be made very attractive. The wall is of cement, and the facing of sphagnum moss six inches thick is held in place by copper wires running both ways, about three inches apart and fastened to galvanized screw eyes. The moss is mixed with an equal part of leaf mold. A great variety of dwarf growing plants will be found to thrive well in such a place. Adiantum cuneatum, A. Farleyense, A. reginæ, Ficus repens, lycopodiums and fittonias are all especially appropriate, and a rich effect is gained by the addition of a few Rex begonias and scarlet flowered anthuriums. Orchids that have come into bloom in the greenhouse look pretty also suspended among the ferns. The only care required by the moss bank is a dash with the hose when the houses are syringed. Once a year, in the spring, it is entirely renewed. Andrew S. Mcikle is the gardener in charge of the Wells estate.

Philadelphia from a Grower's Point of View.

Pennock Brothers had a quantity of the Golden Gate rose in their large and showy window on Monday last. It did not strike me as being a desirable variety for the growers of this city to go into on a large scale, and if a variety is not worthy to be grown on a large scale, it is not worth while growing it at all. Growing "odds and ends" possibly may be all right for the florist who grows and sells his product at retail. It is true that occasionally a customer in the larger cities may take a fancy to a flower because it is odd, but a remunerative trade cannot be built up on those lines at present, apparently. I have tried it, and a flower no matter how beautiful it may be in itself, cannot be sold to advantage from a grower's standpoint unless it has a market value; what I mean is, it should be quoted in the market reports to be appreciated, for the retailer invariably puts a very low estimate as to price upon a flower he knows little or nothing about. American Beauty flowers the first year it sold in Philadelphia at Christmas brought only $2.50 per dozen wholesale. This price was—take them as they came—no



MOSS BANK ON GREENHOUSE WALL.

grading. The fact was there were not enough of them to make a price. I was told today by two florists from Greater New York that the very best Beauties at the recent holidays in that city brought as high as $24 per dozen wholesale. Is this not high-water mark?

To return to the rose Golden Gate. I agree with those who have stated that its name is a misnomer. There is nothing golden about it, neither in color nor in value, according to my notion. It has been compared with Souv. du President Carnot, but it is certainly not as beautiful either in form or color as this newer rose. It lacks the delicate life in color that Carnot possesses.

I also saw a vase of the new rose Mme. Chatenay at the same place, and I am more favorably impressed with this than I am with Golden Gate. It may be considered by some to be too much like La France, and it does resemble that good old rose very much in form and color, and I am inclined to think that where La France finds favor, this new rose will eventually displace the old favorite. When La France and the "Madam" are placed together for the purpose of comparison, La France looks very blue, and that is the difference between them; La France is a blue pink and Mme. Chatenay is a red pink, the color of the latter being much more lively than that of the former.

Pennock Brothers have used many more orchids this year than ever before, especially of Cattleyas and Cypripedium insigne. Here again, the odds and ends of orchids do not find as ready sale as formerly. This is accounted for largely, I think, because the customers have become more familiar with them and know them by name better than heretofore; and another, which perhaps is the greater reason, is because the two sorts mentioned may be had in larger quantities. It has been questioned, however, whether Cypripedium insigne pays the grower at $8 to $10 per 100, which is the price the New York market reports quote; they may perhaps when compared with carnations. Mr. H. H. Battles used about 2000 Cypripedium insigne last week and will use this week nearly 500 Cattleyas, the former adorned his window on Saturday and the latter on Monday last. When seen in large quantities like they were on these occasions they surely are very impressive and must help the business. Good for H. H. Battles. L.

Boston.

EXHIBITION OF CHINESE PRIMROSES.—SILVER MEDAL FOR AN ODONTOGLOSSUM.—LECTURE ON FRUIT GROWING.—TRADE VERY QUIET.—WEATHER REPORT FOR DECEMBER.—MR. DOYLE LOSES HIS MASCOTS.

The first exhibition of the year took place at Horticultural Hall on Saturday, January 8. The display of Chinese primroses was very good, but the plants were at a disadvantage, owing to the fact that the size of pots specified in the schedule had been increased, and the change being a recent one the effects of the re-potting were noticeable. Mrs. B. P. Cheney, Jos. H. White, J. L. Gardner and E. S. Converse were the principal exhibitors. J. H. White and W. E. Coburn made attractive displays of individual blooms arranged in fifties on flat dishes on a bed of selaginella, the blooms showing a gratifying advance in size and variety of coloring over those shown in past years. Freesias were shown in good shape by W. N. Craig and Mrs. E. M. Gill. In some of the plants of Primula stellata, exhibited by J. L. Gardner, the size of the flowers was remarkable, many of them approaching in size and fullness the best of the improved sinensis type. J. E. Rothwell exhibited a well bloomed plant of Odontoglossum Vuylstekeanum, an odd and pretty species, for which he received a silver medal. The medal was for the plant, not for the name; the poor plant was not responsible for its awful name.

A lecture of more than usual excellence was delivered by J. H. Hale, of South Glastonbury, Conn., on the commercial side of fruit growing, which attracted an audience that nearly filled the hall, and was followed by a most interesting and exhaustive discussion on this very important subject. It is unfortunate that these lectures and the exhibition are held in the same hall. The exhibits cannot be examined during the meeting with any comfort, and the constant moving about in the vicinity of the tables disturbs the speakers.

Business has been at a standstill since New Year's, little being done except funeral work which, as on many similar occasions in the past, has helped out wonderfully to dispose of the accumulating stocks. White flowers have their innings just now, although there are enough and to spare of all colors. About January 15 an improvement may be looked for, if past seasons are any index for the future.

According to the December report of the Boston weather station there were only nine clear days last month; seventeen cloudy and five partly cloudy days. The highest temperature recorded was 64° and the lowest 9°, the mean being 34°. The total precipitation was 3.92 inches. The average for twenty-seven years has been 3.38 inches.

Four handsome yellow cats, which have been a special attraction at the store of W. E Doyle and the pride of their owner for years, were found dead one morning last week, suffocated by gas escaping from a main.

Visitor in town: A. N. Pierson, Cromwell, Conn.

Farfugium Maculatum.

This is an excellent keeping plant for the dwelling house and its boldly variegated leaves are very attractive. It is not a new plant but is not grown by the trade as generally as its merits would warrant. It thrives best in a temperature of 45° to 50° and requires plenty of water. In summer the plants may be plunged in pots in a well shaded cold frame. Mr. Chas. Zeller, who grows it in quantity, propagates Farfugium maculatum by division of the roots. He has found the variegation to come true in seedlings but has had no success in raising them on account of liability to damp off.

New York.

CLUB MEETING.—LARGE ATTENDANCE.—A FINE EXHIBITION.—PRES. PLUMB TAKES THE CHAIR AND RECEIVES A PRESENT—INTERESTING PROCEEDINGS.—BUSINESS QUIET.—PRICES TENDING DOWNWARD.

The event of the week was the meeting of the New York Florists' Club on Monday evening. It was the best meeting the club has had for years and undoubtedly only one of many of the same kind that are in store for the members during the year 1898, as it is the general opinion that President Plumb's administration will draw out the full resources of the organization. There were about seventy-five gentlemen present and twelve proposals for membership were handed in. The tables bore a showy display of plants and flowers, the first exhibition in competition for the coveted gold medal which is to be awarded at the end of the year.

The retiring president, Mr. Henshaw presented the newly elected officers, one after another, in a graceful manner and then President Plumb took charge of the proceedings. Here followed a most happy incident the gift to Mr. Plumb of a handsome gavel from the members of the club, the presentation speech being made by Mr. John Morris. The gavel was especially interesting, being made from the wood of a hickory tree which grew at Mt. Vernon, Va., and which was recently cut down because it obstructed the view of the Potomac from the mansion, the gardener at Mt. Vernon, Mr. F. A. Whealan, having kindly furnished the gavel, which members of the club had had



FARFUGIUM MACULATUM.

silver mounted and suitably engraved. Mr. Morris made a most eloquent and patriotic address and in conclusion said that although there were many gentlemen present who had experience in crossing roses and carnations, yet it had remained for the New York Florists' Club to make a successful cross between the American hickory and the English Plum(b). There was much applause and enthusiasm and Mr. Plumb made a fitting reply.

A discussion on the matter of prizes resulted in a vote that a silver and a bronze medal be offered for the second and third best exhibitions respectively in the gold medal competition and a proposition to let down the bars and award certificates of merit without adhering to the stringent rules heretofore prevailing was emphatically voted down. The report of committee on the exhibits for the evening gave A. Schultheis 60 points for a group of azalea plants, W. A. Manda 72 points for Abutilon Savitzii, 42 for Cypripedium media superba and 55 for Anthurium Scherzerianum giganteum and C. W. Ward 76.37 points for a collection of handsome carnations, including New York, John Young, Gen Maceo, Bon Ton, White Cloud, Blush and several others of his best productions. Frank Niquet showed a vase of a new seedling carnation which he has been growing for the past three years and has named Kate Brown. It is a lovely light cerise in color, with many other excellent qualities and was pronounced by John H. Taylor to be one of the sensations in the carnation line, an opinion which many others endorsed. R. Witterstaetter was represented by a white seedling carnation named Evelina.

The discussion on the question of annual dinner served to bring out the wit and eloquence of several members in a most entertaining fashion, Samuel Henshaw's ideas as to an alderman's capacity, John Morris' diagnosis of the after effects of over indulgence in rich viands, and the veracious experiences in this line as presented by Messrs. Asmus, Taylor and Weathered, who were afterwards constituted the dinner committee, being valuable contributions to the general fund of information on this very important subject.

A vote of thanks was extended to Mr. Whealan, to the exhibitors and the retiring officers. Messrs. W. J. Stewart, J. H. Troy and A. L. Don were appointed a committee on essays and publications, and Messrs. May, Keller, Roehrs, Hafner, Burns and O'Mara on exhibitions, for the ensuing year. A generous lunch was provided by the president-elect, and it was nearly midnight when the pleasant gathering dispersed.

Business in general continues quiet, with little to interest or excite going on. Many varieties of flowers are in over-supply, violets suffering especially in this regard, and prices are very low all through the list. This last week of bright weather has made a big difference on roses, the cut having increased considerably and the quality having improved greatly. The weather for the preceding six weeks had been anything but favorable for the rose growers, being dark and warm, thus making the application of artificial heat impossible if the plants were to be kept healthy. Carnations are accumulating, and unless improved demand sets in quickly prices must suffer greatly.

Miss Riley, the bookkeeper at J. K. Allen's store on Twenty-eighth street, has sustained a great bereavement in the death of her mother. Miss Riley has made a large circle of friends among the frequenters of the store, and there were many handsome floral offerings at the funeral from local customers.

Vice-president Jas. M. Logan, of the Florists' Club, and Mrs. Logan sail for a two months' visit to Scotland on the Furnessia on Saturday, 15th inst.

The New York Gardeners' Society had an interesting meeting on January 8, a paper and discussion on tuberous begonias being the special subject.

Visitors in town: J. C. Vaughan, Chicago; R. Vincent, Jr., Baltimore; W. Atlee Burpee, Philadelphia; Wm. Falconer, Pittsburgh, and W. C. Barry, Rochester.

Milwaukee.

Since the New Year began there has been a noticeable change in the flower trade. The society events have been confined to card parties, small dinners, etc., for which particular flowers in small quantities were asked for. Funeral work has very largely increased, mostly for elderly people, using many cycas leaves, violets, autumn tints, etc.; some very beautiful arrangements have been made using principally ferns and stevia. It is the custom to request "No flowers" and the family provides all that is necessary. Of course some flowers always come in, but they are from most intimate friends; the arrangements are left in the hands of the family florist, and are more satisfactory than when Tom, Dick and Harry sends in all sorts of conundrums.

The principal society event was the Charity Ball on the 12th; it was held in the Alhambra, the florists' work was a trifle out of the common, and was truly the most gratifying feature, the floor was laid over the chairs on to the stage, so that the parquet was not visible; the stage was set with a beautiful landscape, the florist arranged a foreground for this setting with plants and vines, taking in the arch and boxes on either side. The ladies wore and carried flowers—some of them—but some florists apparently over-estimated the demand when they provided stock in the morning. The use of violets appears to be gaining on the roses.

The supply of adiantums is a trifle short in this market now. Very little bulb stock, except freesias, which are good quality. Beauties are a disgrace, but it is felt necessary to have a few on hand; other varieties are good. Lilies and callas sell out clean every day. Carnations are popular, but the supply is quite large, so that some days there is a surplus. Good mignonette is in market, and marguerites have made their appearance.

A. Billings has concluded to give up pot plant growing, and confines his benches to cut stuff.

Currie Bros. have had the finest looking window in town for two weeks. A few early azaleas, mostly white, are to be seen, but there is a scarcity of flowering pot plants. The weather since January 1, has been as near perfect as could consistently be asked for. C. B. W.

Chicago.

RETAIL TRADE DULL.—GOOD BEAUTIES VERY SCARCE.—FLORIST CLUB'S MUSICAL.

The retail trade which had been very good since Christmas up to about a week ago, has gradually drifted back to decided dullness. During the past week there has been quite a large number of weddings and receptions but no very elaborate decorations were made. Several storemen have good orders ahead and anticipate a revival of business very soon. Shipping trade continues good. Wholesalers report trade steady, no large amount of stock accumulating, and no very great scarcity of anything. Violets, which are very much better in quality than they have been heretofore, are now in full supply.

Walter Hefferon, salesman for E. H. Hunt, exhibited Marie Louise larger than silver dollars. Mr. Amling and Poehlman paid wagers made by them that the flowers were not that size. Harrisii lilies have been a little short during the week and prices higher.

Good Beauties are very scarce. Many that are coming in are off color, the outside petals are a dark brown, giving the flower a soiled appearance. Good Meteors are in demand and bring better prices than other roses usually classed with them in price. White carnations bring from 50 cents to $1 per hundred more than the colored varieties. Some very good tulips are on the market and are selling well. There is plenty of good valley in the market from this year's pips, it sells well at $2.50 to $4 per hundred. Romans and Paper Whites are not wanted.

Mr. Judson Kramer, of I. N. Kramer & Son, of Cedar Rapids, Iowa, visited Chicago this week. While here Mr. Kramer took occasion to visit some of our growers and gathered some good points on carnations and their culture and incidentally learned something of the size of the city. Mr. Kramer is convinced of the fact that a man may start for the depot in Chicago at four o'clock and not be able to get there in time to catch the six o'clock train.

The Florist Club gave a very creditable musical and literary entertainment Thursday evening at their club rooms. The hall was well filled with gentlemen and ladies in about equal proportion. The room was decorated with wild smilax, roses and carnations. One vase of seedling carnations, contributed by Fred. W. Timme, attracted much attention; there were in the vase about a dozen varieties, all of which were good, and I have no doubt some of the seedlings exhibited will win a name and a place in the market later on. The club quartette, consisting of Chas. W. McKellar, Ed. F. Winterson, E. H. Kissell and Chas. H. Balluff was much in evidence during the entertainment. They were the first and last on the programme. They rendered their part well. The number and heartiness of the encores accorded them showed plainly that their efforts were highly appreciated. For amateurs all did their parts well. But to me, and I think to many others, the best single feature of the entertainment was a part not on the programme. One of the number being absent, Mr. Grant called upon Mr. Flint Kennicot, he having in former years been in the theatrical profession. Mr. Kennicot asked for the privilege of procuring a substitute which being granted, he called upon his daughter Grace, a young miss of about thirteen years. She recited "Shamus O'Brien" in a way that would have done credit to a professional elocutionist.

Cincinnati.

ANNUAL MEETING AND ELECTION OF OFFICERS.—AWARDS MADE.—A NEW CARNATION.—VISITORS.

The annual meeting and election of officers of the Cincinnati Florist Society was held at the club room January 8. The association embraces the growers, storemen, private gardeners and employes of our city parks, and the annual meeting is generally an occasion of much social en-

joyment. The meeting was well attended, twenty-three members being present. Mr. E. G. Gillett was unavoidably absent, and Mr. Ed. Hoffmeister was elected temporary chairman. Secretary Wm. Murphy read his annual report, followed by treasurer B. George. The sum of $694.68 was reported expended, and $690.18 received during the past year, leaving a deficit of $3.50. Messrs. Bartlett and Schwarz were then appointed an auditing committee to examine the books, and reported them O. K. A vote of thanks was tendered the retiring officers for efficient work. The election of officers resulted as follows: President, R. Witterstaetter; vice-president, Albert Sunderbruch, Jr.; secretary, H. Schwarz; treasurer, B. George; and W. Murphy, director.

Mr Theo. Bock, our genial judge, made the following awards during the afternoon: Sunderbruch's Sons carnations, Ruby, Scott, Queen of the West and Daybreak; roses, Brides and Maids, valley, azalea, narcissus and Roman hyacinths. City greenhouses, Pandanus utilis, Araucaria excelsa, Dracæna indivisa, Ficus elastica, Primula obconica, and a collection of ferns. E. G. Hill & Co., for Flora Hill carnation, and a special for the following seedlings: Arbutus, deeper than Daybreak in color, with petals very heavy; the flower is large and full, but not crowded with petals, stem perfect and erect, color irresistible, like the heart of Carnot rose; Painted Lady, a large and well formed flower, held in a strong calyx, stem 18 to 24 inches, and foliage showing no signs of disease; the color is a pure red, resembling that of Wootton rose; Psyche, a decidedly improved H. Keller, color very similar, but with stiffer stem and larger blooms; Prima Donna, an aspirant for favors in 1899. I predict a grand future for this new comer. The flower is very full and rounded and of large size, color a pure true pink, a little brighter than Hermosa rose, with a strong stiff stem and perfect calyx. Thom. Windram for Bridesmaid roses. Wm. Murphy, Daybreak, Portia, Jubilee. Armazindy, Trimmph and Peachblow carnations. George & Allen, Perle roses, Morgans, Beauties and Meteor; Adiantum cuneatum, Harrisii, and a special certificate for best general display. Witterstaetter, as provided under rule 8, special for carnation Opal, new, an improvement on Daybreak, especially in stem; also Evelina, the grandest white of the day. Too much cannot be said of this debutant.

Mr. Anthony Fisher, who has been seriously ill for some time, is reported as slightly improved, and hopes are now entertained for his recovery.

Mr. George Gause, of Richmond, Ind., was a caller this week.

Mr. E. G. Hill attended the show on Saturday last.

Mr. C. R. Rogers, of Chicago, has been with us the past week in the interest of the AMERICAN FLORIST; he speaks well of the Queen City and finds the boys wide awake. H. SCHWARZ

Bursting Carnation Calyxes.

In answer to "Subscriber's" inquiry as to what is the cause of Daybreak, Scott and Portia bursting their calyxes during the months of November and December, I will say that varieties with very thin calyxes if over watered or kept too warm during dark cloudy weather, are very apt to burst their calyxes, and to guard against this it is best to keep them a little on the dry side rather than too wet during such weather, and have a little steam running through the house, regulating the temperature, with the ventilators so arranged as to insure a pure and dry atmosphere. C. W. JOHNSON.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1898 will receive on request, a coupon for one five line want "adv." free, to be used at any time during the year.

SITUATION WANTED—By a young man as assistant rose grower; sober and industrious.
J. care American Florist.

SITUATION WANTED—By a young man as grower of general greenhouse stock
INDUSTRIOUS, care American Florist.

SITUATION WANTED—By a competent store man, late with Freidman; reference given by Chicago wholesale florists. R A, care Am. Florist

SITUATION WANTED—To assist in rose and carnation growing; or would take charge. Good references, single. X Y Z, care Am. Florist.

SITUATION WANTED—By an A No. 1 manager of wholesale or retail store; twelve years' experience in prominent cities. Correspondence solicited
G. care American Florist.

SITUATION WANTED—Good grower of pot and foliage plants, well recommended, German; commercial or private place; please state wages Address
B C, care American Florist.

SITUATION WANTED—By a sober and reliable middle aged man, 15 years' experience as gardener and florist, either private or commercial place.
P. O. box 81, Oak Park, Chicago.

SITUATION WANTED—As assistant by a young man who has had eight years' experience in general greenhouse work; steady and sober.
CHICAGO, care American Florist.

SITUATION WANTED—By a young man well up in the growing of roses, carnations, 'mums, etc., as assistant grower; age 24, single, best of references.
ASSISTANT, care American Florist.

SITUATION WANTED—By first-class rose, carnation and violet grower, married. References given. Address
THE MUNCIE FLORAL CO., Muncie, Ind.

SITUATION WANTED—Gardener and florist. 30 years' experience growing roses, carnations, violets, 'mums; middle age, single; state wages. Address
A. GERGEN, 196 W Jefferson St., Louisville, Ky.

SITUATION WANTED—As grower in commercial or private place (private preferred); good practical experience, age 23; state highest wages. Address
H. A ABRAHAM, care F. Abraham Dover, Mass.

SITUATION WANTED—A competent seedsman wants situation with a reliable seed house; can speak Dutch, German or English; correspondence solicited. H. care American Florist.

SITUATION WANTED—By a practical florist and designer. No 1 rose grower; violets, 'mums, carnations a specialty; now disengaged, age 38 References. W H, care 164 E. Main St., Alliance, O.

SITUATION WANTED—By English and German speaking man, as assistant in greenhouse; steady worker and sober, age 27. Would prefer Philadelphia or New Jersey. W. F. STRAUB, Hite P. O., Pa.

SITUATION WANTED—By an experienced grower of roses carnations 'mums etc., to take charge of commercial place; age 27, single; strictly temperate; steady position. Address
B, care American Florist

SITUATION WANTED—By German American, first-class grower of roses, carnations and orchids, married, age 28; best references, 12 years in two large places; state wages; will be at liberty February 1 Address CATTLEYA, care American Florist

SITUATION WANTED—By German, single (24), as assistant on large commercial or private place; has had some good experience in all branches of the business; best of references; New York or Connecticut preferred. Address
P. O. box 828, Naugatuck, Conn.

SITUATION WANTED—By a competent man as foreman; good propagator and grower of roses, carnations, violets, etc.; also excellent in cut flower work; eastern retail place preferable; good references, age 26, wages $50 a month Address
PURO, care American Florist.

SITUATION WANTED—As foreman in cut flower establishment, mostly roses and carnations; must be up to date in conveniences; by all-round man, single, American, nine years' experience; don't use tobacco or drink; west preferred; good wages expected. References ROSES,
2640 Cottage Grove Ave., Des Moines, Ia.

WANTED—Begonia Countess Louise Erdudy, 2½-inch Address BEGONIA, care Am. Florist.

WANTED—The address of Carl Jorgensen, Dane, Amager. Address
L. JENSEN, South Butte, Mont.

WANTED—Competent man to grow roses for the cut flower trade; also man for general greenhouse work. Address Box 567, Peoria, Ill.

WANTED—American Beauty cuttings—3,000 unrooted cuttings of American beauty rose, good stock. Address, stating quality and lowest cash price
P. O. box 130, Newton, N. J.

WANTED—First class rose grower; one capable of taking charge; one familiar with growing catalogue stock preferred; state wages expected Address
A B, care American Florist.

WANTED—A good all-round grower of general stock with $500 cash to take charge of the business. Money secured, with 5 per cent interest, first mortgage; steady situation; give references and state salary expected with or without board Address
R H, care American Florist, Chicago.

WANTED—At once, an A1 grower of roses and carnations American; must have the best of recommendations; young man preferred and single; also a second man who understands growing and who would not object to working in store a few hours each day and attending to small palm house, one who can make designs and do decorations. Address
AMERICAN, care American Florist.

FOR RENT—Seven greenhouses, stocked; dwelling and land, steam heat; convenient for Baltimore wholesale market, and fair local trade. Address
MARYLAND, care American Florist.

FOR SALE—Greenhouse plant of 5,000 feet of glass in Jamestown, N. D; price $1,500; ½ cash, balance may be paid in cut flowers. Address
W W. SEEKINS, 921 E 3rd St., Duluth, Minn.

FOR RENT—Greenhouse, 6,000 feet of glass on Main street; street cars pass the door; store and dwelling house connected with same place $35 per month.
P. N. SOETGA, 1652 Cedar Ave., Cleveland, O.

FOR SALE—Two greenhouses; a good chance for man with little cash to start into business; good reasons for selling. Address
WM. WERNER, care Muncie Floral Co., Muncie, Ind.

FOR RENT OR SALE—Ten-acre tract of land situated on rock road 3½ miles from the city, one-fourth mile from street cars; has three 100-foot hothouses, steam heat boiler house and sheds. Apply
F. X. HAUSPERGER, 1826 N. Broadway, St. Louis.

FOR SALE OR RENT—About 15,000 feet of glass in a rapidly growing western city of 40,000 people; hundreds of towns and villages with no greenhouses in surrounding country; greenhouses are well built, well stocked and have the largest trade here, which can be greatly extended; owner has other business that requires all his attention. Nowhere in America is there a better chance for a florist with a little money than here. For full particulars address
"BUSINESS," care American Florist.

WANTED, TO SELL OR EXCHANGE.

About 200 pounds Sago palm stems, small and medium size $9 per 100 pounds 100 to 200 prepared Sago Leaves, 2½ and 4½ ft., $7 per dozen assorted, or $50 per 100, assorted. Will exchange for Ferns, Palms and Florists' Supplies. Address
PALMS, care American Florist.

WANTED

A successful Cucumber Grower, under glass and guarantee a good crop. I will pay eighteen dollars per week. Address
IRA PARKER. - Littleton, N. H.

THREE MEN WANTED.

One a grower of first-class carnations, violets and pot plants; the second, a good general greenhouse workman; the third, a man conversant with outdoor work and fruit growing; all must be rapid and accurate workers in their respective lines and come well recommended. Applicants, when writing, will please state age, salary required, with all necessary particulars, and address
B. F. C., 233 Whitney Place, BUFFALO, N.Y.

FOR SALE.

At less than half its cost, or for rent, about 28,000 square feet of glass with grounds and modern 12-room dwelling, built a year and a half ago; greenhouse nearly new, all heated by steam, well stocked and in good order; located on street car lines between St. Paul and Minneapolis, and a well paying wholesale business established. A splendid opportunity for a good live man. Sale price, $10,000; rent $150 per month. If you mean business, address CHRIST HANSON, St. Paul. Minn.

FOR SALE.

Greenhouses in one of the best cities in Wisconsin. A good investment and a money maker for a hustler. Owner must retire on account of poor health

For particulars write ELLIS & POLLWORTH, Milwaukee, Wis.

Say "saw your ad. in the Florist" when you write advertisers.

Buffalo.

PRICES TAKE A DROP.—BUSINESS RATHER QUIET.—CONTRACT AWARDED FOR NEW PARK CONSERVATORIES.—PERSONAL ITEMS.

We have had a few days of bright sunny weather and the plants under glass show the effect of the late dark days by promptly wilting. The sun, however, has had a good effect on carnations, violets, etc., which are now opening more freely. Prices have taken a drop and business is rather quiet, save for rather more funeral work than usual.

On Tuesday the Park Commission decided to award the contract for the new conservatories to Hitchings & Co., of New York City. The amount available at this time, for the work is about $100,000. This is not sufficient to complete the work as designed, but will be enough to build all but four of the houses. It is hoped that the additional amount needed may be provided the coming spring.

The plans, which were made by Lord & Burnham, provide for a range of nineteen houses, of which eleven are to be exhibition houses and six houses especially designed for growing young stuff.

The main front, which faces the main entrance to the garden, will be 330 feet, and consists of five houses, a central house 80 feet in diameter and 64 feet high. This is connected by curtains 75x35 feet to two houses each 50 feet square. From these square houses extending backward, and at right angles, are two houses 100 feet long by 25 wide. Turning another angle, at either end of these, are two houses one 60x40 feet and one 75x25 feet. These houses form, as will be seen, a quadrangle, in which are placed the boiler house and the propagating houses. The entrance is through a very handsome vestibule with offices and other necessary rooms on each side. Some rather unique features have been designed at the request of the directors which will be spoken of at a later time. The foundations and cut stone will be limestone from the local quarries. Heated with hot water.

It is reported that Wm. McMillan, late park superintendent, will make a visit to Scotland after an absence of about forty years. The daily papers speak of his having accepted the position of superintendent of the Pittsburgh, Pa., parks. What there is in the rumor I know not.

Mr. John L. Brothers, for some years auditor of the department, has been appointed temporary superintendent of the parks in Mr. McMillan's place.

I met Mr. Fred. Lewis, of Lockport, on the street the other day and he was smiling the satisfied smile of a man who has been producing good violets lately. C.

Obituary.

Kwai Pahn Lee, of the firm of Henry & Lee, Chinese and Japanese bulb importers of New York city, died of appendicitis at his home in Yonkers on Sunday, aged 41 years.

Mr. Lee was a native of Canton, China. He came to America in 1878 and entered the Free Academy at Norwich, Conn., to complete his education. He afterwards graduated in 1881 and entered Yale University, but was recalled by his government before completing his course. On returning to this country he entered the Lehigh University. After completing his studies there he was a member of the Chinese Legation at Washington for several years, but was forced to resign his position on account of ill health. For his services he was knighted by the Chinese government but never used his title. He afterwards entered into the Chinese and Japanese bulb business in connection with Mr. Henry.

Mr. Lee was a gentleman of great refinement and had a natural aptitude for study, in which he distinguished himself at the Free Academy and at the colleges; was also greatly interested in athletics and while at college was a prominent base ball player. Mr. Lee had a large acquaintance among the wholesale houses in this country, by whom he will be greatly missed.

A widow survives him and it is understood she will continue his interest in the firm of Henry & Lee.

Toronto.

King street, Toronto now possesses what might almost be called the model retail florist establishment. Tidy has just moved into his new place, one block farther west, where he, no doubt, will be prepared to hold up his end as "Tidy, the Florist," which proud title has been his boast since about the period of his emancipation from the chrysalis of knee-breeches. More power to his arm, and may his shadow never grow less.

Passing along the dollar side of King street, pedestrians can look through a neat, tidy, little shop into a fine conservatory giving a glimpse of a section of tropical scenery, while the sleigh bells jingle at their backs and Jack Frost riding on the wings of rude Boreas, nips their ears and noses. Let us hope that the temptation offered may be irresistible, and that many shekels may be gathered in by "Tidy, the Florist."

Carnations are evidently the coming favorite flower for house decoration, and are none too plentiful at present; they are frequently very difficult to get. People refuse to take roses as a substitute, even at a reduced price. Carnations they want and carnations they will have. Sometimes persons wanting a dozen or two carnations for a small table, and not being able to get the color or variety they wish, buy a small plant of cyclamen, primula or fern, as a substitute, rather than roses, which they say "fade too quickly" or are "too dear"

Would it not be worth while to consider the question of regulating the prices of roses and carnations, as compared with each other, grading carnations upward and roses downward, so as to regulate the profit on the growing of the two. It seems to be pretty generally conceded that of the two, roses pay much the better on the average. Therefore if we can grow carnations profitably at present prices, we could grow roses cheaper, provided the market could be made to absorb the whole product. There is no doubt as to carnations of first-class quality being susceptible of a slight increase over the price at which they are sold to-day.

The weather at present is delightful and bright, with temperature just about freezing point. If we would give a report of the weather, that we shall have a week hence, would it not be much more interesting than a report of what it was a week ago? It has always seemed to the writer that a report of the weather a week old is just about as interesting as roses of the same date. TORONTO.

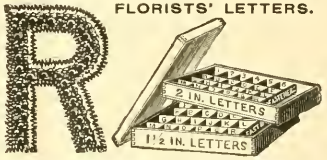
And the Nashville Papers Do It Too.

A story is told by a florist, of the society editor's description of a recent social function. Said florist had sold to the hostess eight American Beauty roses, which were placed in the center of the refreshment table. In the account of the affair the society editor mentioned that the "decorations were American Beauties" and in the resume of society's doings in the Sunday issue, the "home was profusely decorated with American Beauties." And there were only eight roses there!

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John Conley & Son,
Manufacturers of
TIN FOIL
2 AND 4 DOMINICK STREET,
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Boston Florist Letter Co.
MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2-inch size, per 100, $2.00.
Script Letters $4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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84 Hawley St., BOSTON, MASS.



Pansies Worth Raising.
GOOD PLANTS, $2.50 per 1000, or $1.50 per 500.
LARGE PLANTS, $4.00 per 1000, or $2.50 per 500.
BLOOMING PLANTS, $1.50 per 100.
SEED, as usual. CASH WITH ORDER.
C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

..PANSIES..
200,000 in cold frames of the Jennings finest strains; all extra No. 1 plants; large size, ready to bloom, $5.00 per 1000; extra medium size for cold frames, $4.00 per 1000. Extra 75c per 100 by mail.
... SEED ...
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Cash with order. E. B. JENNINGS,
Lock Box 254. Southport, Conn.
Grower of the finest Pansies.

Musa Ensete, 500 Kilogs.
Fresh Seed; new and direct importations, $4 per 1000; $36 per 10,000.
PURE WHITE CINERARIA
BOULE DE NEIGE (Viard),
First-Class Novelty.
20 per cent. discount to those announcing this novelty in their catalogues, also electrotype furnished free. Ask for price list and description.
LETELLIER & FILS, Caen, Calvados, France.
Agent: C. H. JOOSTEN, 105 Greenwich St., New York.

THE AMERICAN FLORIST

Subscription $1.00 a Year. To Europe, $2.00.
Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agate; $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

ALL COMMUNICATIONS intended for the AMERICAN FLORIST should be addressed to the American Florist Company 324 Dearborn street, Chicago, and not to any officer or employe of the company. If addressed to one of the officers delay may be occasioned by his being absent when the letter arrives.

INQUIRIES OR REQUESTS FOR INFORMATION should always be accompanied by the full name and address of the writer. We often wish to answer by mail and can not do so when no address is given.

EVERY paid up subscriber to the AMERICAN FLORIST is entitled to one five line want add free, on application, one insertion at any time he may choose before the expiration of his subscription.

EVERY subscriber to the AMERICAN FLORIST whose subscription is paid for the year 1898 will be allowed a commission of 50 cents on each new subscriber obtained by him.

Greenhouse Building.

Joliet, Ill.—H. N. Higginbotham, one grapery, 20x86 feet; Lord & Burnham, architects.

Catalogues Received.

Iowa Seed Co., Des Moines, Iowa, seeds, bulbs, plants and tools. California Nursery Co., Niles, Cal., fruit and ornamental trees and shrubs. Cole's Seed Store, Pella, Iowa, farm and garden seeds. The Geo. H. Mellen Co., Springfield, Ohio, plants, trees and shrubs. Southern California Acclimatizing Association, Santa Barbara, Cal., general catalogue and garden guide, also handbook of foreign plants. August Rolker & Sons, New York, N. Y., trade price list of flower seeds. W. W. Barnard & Co., Chicago, Ill., preliminary wholesale price list of flower seeds. H. F. Littlefield, Worcester, Mass., trade price list of geraniums and carnations. James Veitch & Sons, London, England, flower and vegetable seeds.

W. A. McFADDEN,

"Rosebank"

NEAVE BUILDING,
CINCINNATI.

Producers and Shippers
of every description of
High Class Floral Supplies.

CYCLAMEN PLANTS.
JARDINIERE FERNS.

Quotations issued weekly, forwarded on request.

Wholesale Flower Markets

CINCINNATI, Jan. 14.

Roses, Beauty select	10.00@50.00
" medium	15.00@30.00
" Brides	4.00@ 6.00
" Bridesmaids	4.00@ 6.00
" Meteors	5.00@ 8.00
" Perles	4.00@ 5.00
Carnations	1.50@ 2.00
" fancy	3.00@ 5.00
Valley	3.00@ 4.00
Romans	2.00@ 3.00
Narcissus	3.00@ 4.00
Violets	1.00@ 1.50
Harrisii	10.00
Callas	8.00
Smilax	10.00@12.50
Adiantum	1.00
Asparagus	50.00

ST. LOUIS, Jan. 14.

Roses, Beauties	10.00@33.00
" Meteors	5.00@ 8.00
" Brides, Bridesmaids	4.00@ 6.00
" Perles	2.00@ 4.00
" Wootton	3.00@ 5.00
" La France	4.00@ 8.00
Carnations	1.50@ 4.00
Violets, California	1.00@ 1.50
" single	25
Harrisii	12.00@15.00
Callas	8.00@15.00
Narcissus, Romans	2.00@ 3.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Mignonette	4.00@ 5.00
Stevia	.75@ 1.00

BUFFALO, Jan. 14.

Roses, Beauties	20.00@75.00
" Brides, Bridesmaids, Meteors	6.00@12.00
" Perles	4.00@ 6.00
" Nipheton	4.00@ 6.00
" Kaiserin	8.00@12.00
Carnations extra	2.00@ 3.00
" ordinary	1.50@ 2.00
Valley	4.00
Violets	1.00@ 2.00
Romans	2.00@ 4.00
Harrisii	12.00@20.00
Smilax	12.50@15.00
Adiantum	1.00@ 1.25

MILWAUKEE, Jan. 14.

Roses, Beauty, per dozen	.75@3.00
" Brides, Bridesmaids	4.00@ 8.00
" Perle	3.00@ 5.00
" Meteors, Belles	4.00@ 8.00
Carnations	2.00@ 3.00
Violets	.75@ 1.50
Romans	2.00@ 3.00
Valley	3.00@ 4.00
Stevia	1.50
Freesias	4.00
Callas	12.00@15.00
Adiantum	1.00@ 1.50
Smilax	12.00@15.00

Cut-Flower Price Lists Received.

We are in receipt of cut-flower price lists from the following firms: E. C. Amling, Chicago; W. E. Lynch, Chicago; Illinois Cut Flower Co., Chicago.

GIVE US A TRIAL. WE CAN PLEASE YOU.



ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK.

WM. F. KASTING WHOLESALE COMMISSION FLORIST....

495 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies and Wire Designs

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A complete line of Wire Designs.

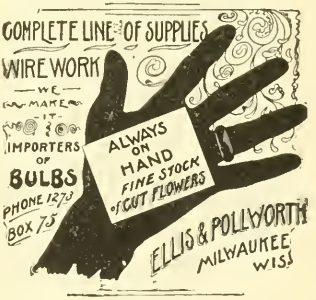
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Special attention given to shipping orders
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FLOWERS ST. LOUIS, MO. at ....WHOLESALE....
.....ROSES, and a full line.
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Fresh Cut Flowers, Florists' Supplies
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Consignments Solicited. Phone Main 874.
457 Milwaukee St., MILWAUKEE.



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GROWERS OF CUT FLOWERS.

500,000 FEET OF GLASS.

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We ARE Headquarters for fine AMERICAN BEAUTIES

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Salesroom, 51 Wabash Ave., CHICAGO.

W. E. LYNCH,

Consignments Solicited. CUT FLOWERS.

All Florists' Supplies.

19 & 21 RANDOLPH STREET,

Fine Stock a Specialty. CHICAGO.

Wholesale Flower Markets

CHICAGO, Jan. 14

Roses, Beauties	per doz.	2.00@5.00
" Brides		3.00@ 5.00
" Meteors, Bridesmaid, Kaiserin		3.00@ 6.00
" Perle, Gontiers		3.00@ 5.00
" Testout		3.00@ 6.00
" La France		4.00@ 8.00
Carnations, common		1.50@ 2.00
" fancy		3.00@ 6.00
Violets		.75@ 1.00
Narcissus, Romans		2.50@ 3.00
Harrisii, Callas		12.00@15.00
Valley		2.00@ 4.00
Adiantum		1.00
Smilax		10.00@15.00
Asparagus		50.00@75.00

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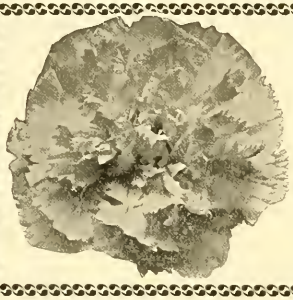
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Roses in variety.

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WHOLESALE

COMMISSION FLORIST,

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A. G. Prince & Co.

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DAYTON, OHIO.

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MacDONALD & McMANUS

Supply Orchids every day.

Only House in New York handling Extra Fancy Stock for Special Occasions.

Telephone 2778--38th Street. 50 West 30th Street, NEW YORK CITY.

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The name of our street has been changed. And with our additional room we are better able to handle our ever increasing trade.

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113 WEST 30TH STREET,

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THE BEST MARKET IN NEW YORK.

TRAENDLY & SCHENCK,

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Control the stock of many celebrated growers and are prepared to quote prices on First Grade Cut Flowers. All varieties.

38 West 28th St., and Cut Flower Exchange,

Tel. 961 18th Street. NEW YORK CITY.

Wholesale Flower Markets

NEW YORK, Jan. 13

Roses, Beauty	15.00@50.00
" Brides, Bridesmaid	2.00@8.00
" Testout, Carnot, Meteor	4.00@10.00
" Morgan, Cusin	2.00@5.00
Carnations	.75@1.50
" fancy	2.00@4.00
Valley	2.00@4.00
Hyacinths, narcissus	.75@1.50
Mignonette	2.00@6.00
Violets	.50@1.25
Harrisii	8.00@10.00
Smilax	6.00@8.00
Cattleyas	35.00@40.00
Cypripediums	8.00@10.00

BOSTON, Jan. 13

Roses Beauties	15.00@60.00
" Perle, Niphetos	2.00@4.00
" Bride, Bridesmaid, Meteor	4.00@10.00
" Carnot, Morgans	8.00@10.00
Carnations, ordinary	1.00@2.00
" fancy	2.00@4.00
Valley	2.00@4.00
Violets	.75@1.00
Hyacinths, narcissus	1.00@2.00
Cypripediums	8.00@10.00
Smilax	8.00@10.00

PHILADELPHIA, Jan. 13.

Roses, Beauties, per dozen	2.00@7.50
" Teas, Brts	8.00@10.00
" select	15.00
Carnations	2.00@4.00
Valley	3.00@4.00
Violets	.75@1.50
Narcissus	2.50@3.00
Hyacinths	2.00@3.00
Harrisii	10.00@12.00

John I. Raynor,

49 WEST 28th STREET,

NEW YORK.

SPECIAL EXTRA STOCK OF

AM. BEAUTY, METEOR, BRIDESMAID, BRIDE.

Record Breaking Carnations

ALL THE YEAR ROUND.

American Beauty

and all other choice Roses in unexcelled quality.

Carnations, Mignonette, Cattleya and Valley.

THOS. YOUNG, Jr.,

43 W. 28TH ST., NEW YORK.

WALTER F. SHERIDAN,

WHOLESALE

FLORIST,

39 West 28th Street, NEW YORK.

Roses shipped to all points. Price list on application.

JULIUS LANG,

Cut Flowers on Commission.

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.... NEW YORK.

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WELCH BROS., PROPRIETORS.

Consignments from regular growers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.

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BEAUTIES AND VIOLETS, SPECIALTIES.

Consignments Solicited.

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Commission Dealer in

CUT FLOWERS.

Good Money for your Flowers.
Good Flowers for your Money.

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TELEPHONE 1675 38th St.

THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street,
112 and 114 West 24th Street,

Telephone 733—18th. NEW YORK.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

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Wholesale Florists

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Consignments Solicited. Telephone, 260 38th St.

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Cut Flowers AND Florists' Supplies

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ALWAYS ON HAND: CARNATIONS, BRIDESMAIDS, BRIDES.

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Horticultural Auctioneers.

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Asparagus Plumosus Nanus.

Strings 8 to 10 feet long,

50 CENTS.

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Wholesale Florists

AND DEALERS IN ALL

FLORISTS' SUPPLIES,

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Cut Flower Consignments Solicited. Best market.

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WHOLESALE • FLORIST.

Careful Shipping to all parts of the country. Price list on application.

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ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock.

51 W. 28th Street, NEW YORK.

Price list on application.

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CUT FLOWERS,

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange, NEW YORK.

WM. C. SMITH,

Wholesale Florist,

40 So. 16th St., PHILADELPHIA.

Consignments Solicited. Special attention given shipping orders.

Long Distance Telephone 5008 A.

St. Louis.

DULL WEATHER AND SLOW TRADE.—CLUB NOTES. — PERSONAL. — BOWLING CLUB SCORES.

The week opened with dark, gloomy and rainy weather for the first three or four days and trade suffered to a great extent, the downtown florists especially complaining. If it were not that the dealers had plenty of decorations, weddings, etc., to work on, it would have been one of the dullest weeks of the season. Receipts are increasing and prices are very low for this season of the year. During the latter part of the week the weather was good and the fine warm days with sunshine that we have had will stock up this market and we will have to look for still lower prices for the coming week.

American Beauties are arriving in better quality, and while prices have dropped somewhat they are still sought for by the trade; Kaiserins, Brides and Maids are plentiful and of good quality; Meteors are still scarce in this market and the demand for them has been big; Carnots are arriving in very light quantity and generally in poor shape; Perles are in good demand, with receipts very light; Woottons are more plentiful and are looking better; La France still continues to be scarce.

California violets have arrived more plentiful during the last week, and our home growers all say that their blooms are now coming out in good style. While the price has dropped considerably, it will still continue to be the seller in this market among violets. Double violets are neglected. Single violets are very much cheaper and with the advent of southern stock we look for cheaper violets for the rest of the month.

Harrisii lilies are coming in plentiful; Calla lilies have been scarce; Romans and narcissus have been neglected; smilax is more plentiful.

The regular meeting of the members of the St. Louis Florist Club was held at Odd Fellows Hall on Thursday. The attendance was one of the best for a long time. Papers were read by Messrs. J. F. Amann, of Edwardsville; Wm. C. Young, J. J. Beneke, Wm. Trillow, of Belleville; A. Meyer, Sr., R. F. Tesson and Frank Fillmore. There was no date set for the annual smoker and same was left in charge of a committee. The debate on the admission of a new member was very spirited. Altogether the meeting was lively and interesting.

Ostertag Bros. have been kept hustling this week with some big decorations. You can always count on Henry when there are any big decorations in sight.

Eggeling, the South Grand avenue florist, who caters to the best trade in town, reports business very good.

The Bowling Club last Monday inaugurated a series of cocked hat games and all the boys were glad of a change, and from the scores made the first night at that game, already think of sending a challenge to any florist club in the country. Carl Beyer was high man for three games, 134; Beneke, second, 123; Fillmore, third, 114; high single score, Fillmore, 45; Weber, 44; Beneke, 41.

A. J. B.

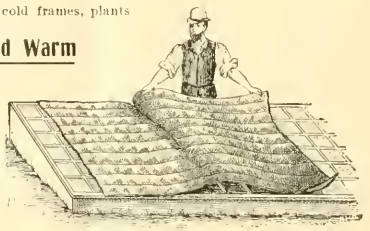
WACO, TEXAS.—The organization of the Texas State Floral Society was completed on January 5. Mr. J. W. Barnett is the president and Mrs. Louis Crow, secretary.

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FROST PROOF

Made expressly for winter covering of hotbeds, cold frames, plants and seeds of all kinds.

Indestructible, Cheap and Warm



WILL not harbor mice or vermin. Easily handled. Dry out quickly after rain. Have now been in practical use three years. Cost less than old-fashioned straw mats and entirely take their place.

MADE IN FOLLOWING GRADES:

No. 1—**Burlap Cloth**, filled with combination wool and quilted, seams 3 inches apart and edges firmly bound.

Size 40x76 inches, 50 cents each.
" 76x76 " 75 " "

Made any length, 76 inches wide, at 12 cents per running foot.

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Size 40x76 inches, $0.75 each.
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Made any length, 76 inches wide, at 16 cents per running foot.

No. 3—**Waterproof**, made of oil duck, filled and quilted same as Nos. 1 and 2.

Size 40x76 inches, $1.00 each.
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Made any length, 76 inches wide, at 20 cents per running foot.

That these mats are a **much needed improvement** over anything heretofore used for the same purpose, is demonstrated by the large demand and many testimonials from prominent men in the trade. Everyone using Hot Bed Mats should give them a trial.

PATENT APPLIED FOR.

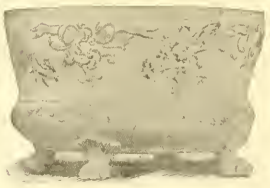
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Seasonable Specialties:

CYCAS WREATHS. MOSS WREATHS.

FERNERIES AND JARDINIERES:

Norman Style in Sprays, Tinted and Delft.
Tuscan, in Sprays, Tinted and Delft.
Milan, in Sprays.

OUR LEADING NOVELTY:

LACE VIOLET HANDKERCHIEFS.

Wheat Sheaves and Immortelles.

The largest and best stock in America.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

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Mention American Florist.

WRITE US

For rates on advertising in the Directory. It is a good medium the whole year round.

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COLOR CHART

is now accepted as the standard in preparing color descriptions, by many foreign houses as well as in America.

PRICE 15 CENTS POSTPAID.

AMERICAN FLORIST CO., 322 Dearborn St., Chicago

Cut Smilax

15 cts. PER STRING.

RED PRIMROSES, 3-inch pots, $4.00 per hundred.

THE NATIONAL PLANT CO., Dayton, O.

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M. RICE & CO.

Importers and Manufacturers of

FLORISTS' SUPPLIES

25 N. FOURTH STREET,
.. .. PHILADELPHIA, PA.

FALL CATALOGUE NOW READY.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

THE early orders from the first seed and plant catalogues which are usually mailed soon after December 15, are at this date eagerly scanned for indications of the trend of trade for the coming year. Of course the early catalogues have been mailed to the southern states, and the comparisons can not yet cover the whole country but so far as they go, we give a few comments. W. H. Maule, Philadelphia finds the new orders (mainly Texas business) from 25% to 50% larger in size individually and an equal percentage of increase in volume.

Jno. Lewis Childs, of Floral Park, whose showy ten ounce (5 cents postage) catalogue is more largely devoted to plants, finds 1898 trade so far about the same as last year.

J. R. Fuller & Co. of the same place report their first ten days advertising results very encouraging.

W. Atlee Burpee & Co., of Philadelphia, report business for the same date no better than last year.

W. C. Barry, of Ellwanger & Barry is pleased with a 30% increase in volume of trade received through their agents.

The work of these travelers coming as it does from personal solicitation with the horticultural buying public seems to us an encouraging incident of the 1898 prospects.

NEW YORK.—It is reported that owing to rebuilding operations at 15 John street, Messrs. J. M. Thorburn & Co. have taken the building at No. 36 Cortlandt street, which will be entirely remodeled with a new and imposing retail front.

NEW YORK.—Friday, January 21, has been decided upon for the meeting of the executive committee of the American Seed Trade Association. It will be held at the Park Avenue Hotel, beginning at 10:30 a. m.

The State Florists' Association of Indiana.

The 12th annual meeting of this association will be held at the Agricultural rooms, State Capital, Thursday, January 20. There will be an exhibition of roses, carnations and other cut blooms, blooming plants, begonias, ferns, palms and other plants. Certificates of merit will be awarded to well-grown blooms and plants. Vases furnished by association. The exhibition will be open to the public from 2 to 6 p. m.

J. S. STEWART, President.
R. A. MCKEAND, Secretary.

Only a Short Time

Remains for receiving new copy or changes for the 1898 Directory, if you have not sent in your address, do so now. You might as well have your name in as not. No charges. Send your business card, or any other printed matter you may have, and we will do the rest. AMERICAN FLORIST COMPANY, 324 Dearborn Street, Chicago, Ill.

E. F. C. YOUNG, Pres. V. P. SNYDER, Vice-Pres.
JOS. D. BEDLE, Sec'y. R. S. FOWLER, Treas.
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The Cleveland Seed Co.

Contract Growers of

Peas AND Beans

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JOBBERS IN SEEDS.

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VERBENA GRANDIFLORA.

This improved strain of Mammoth Verbenas gives perfect satisfaction to my many customers, and is justly claimed to be the finest in cultivation: florets and trusses of extra large size, all the finest colors.

CYCLAMEN GIGANTEUM

A magnificent collection of the finest giant-flowering varieties, largest flowers, best colors, 50 seeds to pkt.

PETUNIA GRAND FIM. FL. PL.

The largest and finest strain of double-fringed and mottled Petunias to be had. Extra. All the above are of the very finest, carefully grown.

Each, per trade pkt., 25c; 3 pkts., 60c; 6 pkts., $1.00. A pkt. of the new compact Alyssum to every order.

JOHN F. RUPP, Shiremanstown, Pa.

THE BEST FOR ALL Florists' — ROSE LEAF EXTRACT OF TOBACCO INSECTICIDE — FOR SALE BY SEED STORES. FOR FREE PAMPHLET WRITE TO LOUISVILLE SPIRIT CURED TOBACCO CO LOUISVILLE KY

OSCAR KNOPFF & CO.

SEED GROWERS,

ERFURT, GERMANY.

Sole Agent for the United States and Canada:

M. RUTTENAU, 15 to 25 Whitehall St., New York.

Trade Catalogues and estimates cheerfully furnished. Orders promptly filled direct from nurseries at Erfurt.

FLORISTS FERTILIZER

Made from VIRGIN NIGHT SOIL by steam process—NOT Adulterated. Complete Fertilizer. Soluble, quick in action. Combines all the Elements for Nutrition of Plants. Pleasant to handle.

STANDARD FERTILIZER CO., Inc.

1822 Filbert Street, PHILADELPHIA.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS—ENDORSED BY PROMINENT FLORISTS—USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT—200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN ~~~CIRCULAR FREE~~ SKABCURA DIP CO. CHICAGO.

Kill AND SAVE the THE BLOOMS Bugs!

QUICKLY DOES IT.

EXTRA CHOICE FLOWER SEEDS.

List free on application.

FRED. ROEMER, Seed Grower.
" " Quedlinburg, Germany.

W. & D's. "SURE CROP"

MUSHROOM SPAWN

Hyacinths, Tulips, Narcissus, &c., &c.

SPECIAL PRICES TO CLEAR.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., NEW YORK, N. Y.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners

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Importers and Exporters of

Seeds, Bulbs & Plants,

501 TO 503 W. 13TH ST., NEW YORK CITY.

Send for quotations on all Florists' Bulb Stock.

ESTABLISHED 1838 — DREER'S SEEDS — FRESH RELIABLE

TRY DREER'S GARDEN SEEDS,

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER, Philadelphia, Pa

Mention American Florist.

PALM Seed.

FRESH ON HAND

	per 100	1000	3000
COCOS WEDDELIANA . .	$1.25	$10.00	$27.50
MUSA ENSETE . . .	1.25	10.00	27.50

J. L. SCHILLER, 404 E. 34th St., NEW YORK CITY.

August Rölker & Sons,

Spring Bulbs, Florists' Supplies, SEEDS

Our new Seed Catalogue is out, containing a list of selected Novelties in Seeds and Spring Bulbs. If not received, write for a copy.

52 Dey Street, NEW YORK.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON, Lock Box 1528. BOSTON, MASS.

Correspondence solicited.

THE Regan Printing House

NURSERY SEED FLORISTS CATALOGUES

87-91 Plymouth Place, CHICAGO.

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

Pittsburg.

TRADE STEADY AND FAIRLY GOOD.—MEETING OF THE PITTSBURG AND ALLEGHENY FLORISTS' AND GARDENERS' CLUB.—INTERESTING MEETING OF THE BOTANICAL SOCIETY OF WESTERN PENNSYLVANIA.

Trade is recovering somewhat from the lull after the holiday rush and is now what may be termed fairly good. The florists have figured up their Christmas business which was with the exception of the tree business, the best Christmas trade they have had for several years. The tree trade (in Allegheny especially) falling off a little from that of the year before. All in the business are congratulating themselves, that the big snow storm of December 31, did not occur on the 24th, else there would have been much more trouble and expense. The entire street car system was tied up, and delivery of orders was completely paralyzed from about noon until the next day, New Year's.

The Pittsburg and Allegheny Florists' and Gardeners' Club met on the 13th inst. Nomination of officers for this year being the most important business on hand, the election taking place two weeks later.

The Botanical Society of Western Pennsylvania held its regular monthly meeting at their rooms in Pittsburg, Carnegie Library building, Schenley Park, on Thursday evening, January 6, at which quite a number of new members were admitted. The interest in this society is growing wonderfully, the attendance on this night, one of the most inclement of the season, being very good evidence of that fact; if it had been at all decent weather, the room would have been uncomfortably filled. The papers and subjects presented for consideration and discussion were very interesting and instructive.

The executive committee of the society reported through Superintendent Wm. Falconer that they had arranged for subjects for the entire year at each monthly meeting which will cover a large variety, and be of equal interest to any that have preceded them, the next subject will be medicinal plants by Dr. Koenig, every lecture or address will be supplied with all necessary specimens required. The idea of the society is to make botany popular and cultivate a love for the beautiful and useful in floriculture, etc., and to that end the fee has been reduced to $1 and these meetings arranged for, which are entirely free and open to the public.

The wisdom of such a departure is being shown by the greatly increased membership and attention. The florists will most certainly reap a great benefit in the end, and it is hoped they will all lend a helping hand to the society. It is impossible, for want of space, to give a list of all specimens shown, there were over three hundred all correctly labeled and tabbed. Mr. John A. Shafer, curator of the society, afforded valuable assistance in putting the exhibit in proper shape for showing it in regular order. He is very busy arranging the herbarium of the society, which when completed will be one of the finest in the country. REGIA.

READING, PA.—The establishment of John G. Brown, at 121-123 South 5th street, has been closed by the sheriff on an execution in favor of Milton H. Schnader.

FLORISTS' MUTUAL
FIRE INSURANCE ASS'N
Application Blanks and Prospectus Ready
WRITE NOW. DELAYS ARE DANGEROUS.
W. J. VESEY, Sec'y,
FT. WAYNE, IND.

THE ALBERT DICKINSON CO.
DOMESTIC AND FOREIGN
GRASS SEEDS
FOR
Parks, Tennis Courts, Lawns, &c.
In fancy 1 and 2 pound packages and bulk.
SPECIAL PRICES TO THE TRADE.
CHICAGO, ILL.

Not a New Thing....
But a standard Reference Book for Florists, Nurserymen and Seedsmen of the United States and Canada. We are now busy with the sixth edition of the Directory.
AMERICAN FLORIST COMPANY.
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JOSEPH BRECK & SONS, CORP'N.

GROWERS OF PEAS, BEANS AND SWEET CORN
JOBBERS AND DEALERS IN
GARDEN SEEDS
OF ALL KINDS.
TRADE LIST ON APPLICATION.
18 N. CLARK ST. CHICAGO.

Livingston's .. Emerald .. Cucumber.

Is exactly what has been lacking for hothouse and hotbed use. Dark green.
PRICE (postpaid)—Packet, 10c; 3 pkts. 25c; 15 pkts. for $1.00 The Catalogue Trade is invited to list this variety. Terms on application.
A. W. LIVINGSTON'S SONS,
....COLUMBUS, O.

NEW · GIANT · ESCHSCHOLTZIAS,
"THE GOLDEN WEST."
50c pkt., $8 oz.
New Giant Fancy Cosmos, six splendid varieties, separate, $1 oz.; Giant Cosmos, splendid mixed, 65c oz.; Calliopsis "California Sunbeams," $1 oz. Special rates given on Cosmos in quantity; Apple Geranium, fresh, $1 per 1000 seeds; New Large Flowering Zonale Geranium, $2.50 oz.; Ipomaea, "Heavenly Blue," $1 oz., $12 lb.; Laurustinus grandiflora, $1 oz.; Zinnias, "New Curled and Crested," 50c oz.; $5 lb.; Nasturtium Good Venture Mixture, 60c lb.; $15 per 8 lbs.; Seaforthia elegans (Palm) 40c per 100 seeds, $3 per 1000 seeds. Send for trade list of Seeds, Plants, Bulbs and Cacti.
MRS. THEODOSIA B. SHEPHERD.
Ventura-by-the-Sea, Cal.


TOKIO NURSERY CO.
Headquarters for
JAPAN LILIES, CYCAS REVOLUTA, PLANTS, SEEDS, ETC.
Write for Catalogue.
Tokio Nursery Co.,
KOMAGOME,
TOKIO, JAPAN.
Cable Address: "NURSERY CO. TOKIO."

ARISTOLOCHIA SIPHO SEED
$10.00 PER POUND
A. M. ELLIOTT, - Pittsburg, Pa.

SEEDS LAWN GRASS
$12.00 per 100 lbs.
Finest Quality Ever Offered (Retails @ 30c. lb.)
J. CHAS. McCULLOUGH, SEEDSMAN,
RECLEANER AND JOBBER GRASS SEEDS
North-East Corner Second & Walnut Sts., Cincinnati, O.
Send for Illustrated Catalogues.

San Francisco.

THE FLOWER MARKET.—NEW STORE.—LEGAL ACTION.—ACCIDENT TO MR LYNCH.—PERSONAL MENTION.—SEED TRADE NOTES.

Business has been rather quiet in this city since the holidays and prices on many articles have dropped considerably. New Year's trade was fully up to expectations and everybody did a good business, and consequently are satisfied. There has been a very strong demand for carnations during the past week. The stock was not plentiful and very good prices ruled. Roses are about the same as when last noted with the possible exception that some have had a slight drop in price. Brides and Bridesmaids are now bringing 75 cents and $1 per dozen, the same quality of stock brought $1.50 last week; Beauties are selling very well and are bringing fine prices; Testout is rather scarce but of good quality; Perles and Meteors can also be had, but are not holding up in price as was expected. Carnations are of fine quality and are bringing 35 cents per dozen. Flora Hill seems to be the best white to be had, but we cannot get one-half enough to supply the demand. This kind is going to be extensively planted this summer, so we may expect something fine next season. Violets are coming on a little better than for some time past. The chief fault we have with them is that they are very short stemmed and sometimes very pale in color on account of the frosts. Californias and Princess of Wales are still scarce and selling rapidly at good figures. Marie Louise is of poor quality; few, if any, Swanley Whites are to be seen. The same may be said of the Czar. Smilax is in good demand and the quality of the stuff is excellent.

Mr. Chas. P. Braslan, of Chicago, who has been here for a few days on a business trip, departed last night for home. Mr. Braslan reports trade as booming.

Messrs. R. S. Bates & Co. have opened a store at 13 South San Joaquin street, Stockton, with a branch store at the corner of Park and Sutter streets.

M. Lynch, of Menlo Park was injured while hunting in the Coast Range mountains last week.

F. Pelicano & Co. had a $1,000 decoration during the week for the Tevis ball. The decorations were very elaborate consisting chiefly of carnations.

Mr. M. Dooley has accepted a position with E. W. Hopkins, at Menlo Park.

Mr. Thos. Stevenson at 11 Powell street suffered a very severe loss last night in having his handsome store under the Columbia Theatre completely gutted by fire.

The recent rains which we have just experienced will prove of great benefit to the seed growers. Nearly all growing crops of vegetable and flower seeds were badly in need of rain. Onion planting is progressing slowly. This is chiefly due to the great difficulty in getting bulbs to plant. The fortunate growers who contracted ahead for their supply are jubilant, while their less fortunate neighbors who depended upon getting their stock when the bulbs were ready, found that they could not pay from $2 to $2.75 per sack for bulbs to plant for seed, consequently the acreage is very small this year compared with previous years.

METEOR.

Syracuse, N. Y.

The Charity Ball which occurred on the 5th inst. was held in the Alhambra, which is a very large and spacious building making an elaborate decoration a very costly affair. Owing to the nature of the ball the appropriation was not very large for the decoration, still it was apparent a very pleasing piece of work could be done at the figure. Norway spruce 10 to 12 feet high were used extensively with grand effect. The galleries were draped with festoons of evergreens, relieved with holly wreaths, while the stage and orchestra were grouped with palms, together with the arc lights being heavily draped with smilax, gave the whole affair the appearance of a seasonable holiday function. As predicted the event called for an extra amount of choice flowers, Beauty roses and violets being the favorites.

Owing to the continued mild and bright weather, flowers of all kinds are plentiful, violets coming in in greater numbers every day, which are selling well. An extra call for funeral work has let but few flowers go to waste.

The first monthly meeting of the Central New York Horticultural Society for 1898 was held last Saturday evening, the principal business was President S. T Betts' address in relation to what should be done the coming year.

ALPHA.

NEWARK, O.—Geo. W. Penny, florist, died January 4 at the family residence in the East End.



EVELINA

at the present time is a mass of bud and bloom. Xmas week a house 16x80 produced 1000 flowers which sold readily at $6.00 per 100, and will continue to produce same number per week for some time to come.

EVERY FLORIST

who has seen it, without exception, will try this sterling variety another season, and it is claimed by everyone who has become acquainted with Evelina to be the most prolific bloomer in commerce and first-class in every respect, and predict for it a grand future.

THE HIGH ESTEEM

in which Evelina is held by the Cincinnati growers is shown by the fact that I have already booked orders for over 7000.

EVELINA

is a pure white, of large size, good form and substance; an extraordinary strong calyx; is fragrant and borne on long stiff stems that always carry the bloom erect; it is an extra free, early and continuous bloomer; is of good habit; a strong, free and healthy grower. Last year quite a number of plants produced from 30 to 50 flowers by the first of January. She won the Ward Cup for best commercial white at the Cincinnati meeting of the American Carnation Society; also a certificate of merit at the Indianapolis and Chrysanthemum shows. Orders now booked and filled strictly in rotation for strong, well rooted cuttings at

$10.00 per 100. $45.00 per 500. $80.00 per 1000.
50 at 100 rate. 250 at 500 rate. 500 at 1000 rate.
Cash or satisfactory reference, please.

R. WITTERSTAETTER, Sedamsville, Ohio.

St. Paul.

TRADE EXCEPTIONALLY GOOD.—DELIGHTFUL WINTER WEATHER.—PERSONAL NOTES.

New Year's trade in this city was exceptionally good, not that a large quantity of flowers was disposed of January 1, 1898, but the aggregate of sales from Wednesday to Saturday was very satisfactory. Shipping trade was good, and several large city decorations for receptions, etc., helped swell the volume of trade, while the annual charity ball, and its attendant demand for flowers, rounded up a week of the best business on record.

Since the first, funeral work, shipping trade, a few social functions, an occasional wedding and other calls for flowers have kept the most of us on the jump. Surely the year starts in auspiciously.

As most stock is now "off crop" the quantity brought in is hardly equal to the demand. White flowers are particularly scarce, as well as yellow roses. Red roses and carnations are in good demand, with the supply rather short.

L. L. May & Co. have commenced cutting some single Von Sion which are very pretty and attractive and sell readily. Valleys, Harrisii, Paper White and Romans are all in good demand for weddings and funeral work.

We have had and are now enjoying the most delightful winter weather on record. The days are warm and cloudless, with the thermometer ranging from 40° to 60° above zero. Coal men have long, dejected features while the florists are proportionately happy. Snow is all gone and plants in open wagons are delivered without wrapping. Think of this, ye dwellers of Philadelphia, New York, Boston and Buffalo, and come to the great Northwest above the blizzard line.

Henry Krinke displays as fine a lot of blooming plants as we have seen in a long time. Primroses, cyclamen, azaleas, etc., abound in great profusion and are done to the queen's taste. Henry always manages to have a nice display of good plants when other places are barren.

Vogt Bros. have discontinued their store on West Third street.

W. G. Bunde, with J. C. Vaughan, is in town for a few weeks. He reports a very gratifying trade here in his home city.

FELIX.

Cleveland.

Business since the holidays has been very good with nearly all the florists, as society has been putting its best foot foremost in the matter of balls, receptions and "blowouts" of all descriptions, and as a natural consequence flowers have been none too plentiful. Carnations continue rather scarce, a condition that appears to have been chronic nearly all the season so far. It does seem as though carnations in general are not blooming as freely as in other years. Roses have been good and not in over supply, although it is likely, that with a crop just about coming on with most growers the situation will ease off slightly. Violets are in pretty good supply and are of good quality, selling about as usual. The demand for these is usually fairly steady and few are wasted.

Bulb stock of the Dutch sorts does not show up to any extent as yet. At least not sufficiently to be considered as a factor in affecting the demand for other flowers. A few tulips (Proserpine) is about all that are to be seen. The flowers are very good, but the stems are still very short.

Miss Eadie leaves town in a day or two. She goes to Tampa, Fla., and may be gone for six weeks or two months. A.

Death of Lily Dean.

On Monday, January 3, 1898, at her home, Lily Dean, third daughter of Mr. and Mrs. James Dean, died of consumption after a lingering illness. She was indeed a lily, and up to within a short time even before her death, always had a bright cheerful smile for every one she knew. A more devoted loving daughter could not be found in the broad land.

The funeral services were held at the Reformed Church, 52d street and 3d avenue, Brooklyn, on Wednesday, the 5th. The floral tributes from a wide circle of loving friends were very numerous; many of the pieces were exceedingly chaste, and the entire church was filled with the many friends who assembled there as a token of respect and sincere sympathy to her parents in their sad bereavement. The interment was in Greenwood Cemetery.

GRAND RAPIDS, MICH.—The Florists' Club has decided not to have a chrysanthemum show this year. The election of officers of the club resulted as follows: President, N. B. Stover; vice-president, G. F. Crabb; secretary, Alfred Hannah; treasurer, H. Van Velden.

A Carload OF.....

STRICTLY FANCY

TUBEROSES

Per 100 - $1.00
Per 1000 - 7.50

JUST UNPACKED

GLAD TO MAKE SPECIAL PRICES IF YOU USE A QUANTITY.
SAMPLES MAILED FREE ON APPLICATION.

In preparation, and should be ready in few days, our Special Carnation List tells all about the good new varieties. If you don't receive a copy a postal card will start it.

Vaughan's Seed Store,

14 Barclay Street, NEW YORK. 84 and 86 Randolph Street, CHICAGO.

Verbenas

BEAUTY OF OXFORD.....

Rooted Cuttings... 75c per 100, $6.00 per 1000
Pot Plants ..... $2.50 per 100, $20.00 per 1000
20 other fine sorts same price. We have been growing and shipping Verbenas for over 20 years and our reputation for seeding out the best is thoroughly established.

ROSES.....

A large stock. All the forcing varieties and the leading varieties of the Everbloomers, H. P.'s and Climbers.

HYDRANGEAS

Hortensis, extra strong.....$4.00 per 100

Otaheite Oranges

Very fine, 3-inch..... .....$10.00 per 100

PELARGONIUMS

Victor..... $6.00 per 100
Freddie Helm ..... 6.00 per 100
Mixed, strong..... 3.00 per 100

GERANIUMS

All the leading sorts.....$3.50 per 100
Rose..... 3.50 per 100
Happy Thought..... 4.00 per 100
Mrs. Pollock ..... 6.00 per 100
Ivy Leaf, L'Elegant ..... 5.00 per 100
Ivy Souv. de Chas Turner, the finest in cultivation..... 4.00 per 100

HELIOTROPE

Four very fine new varieties....$1.00 per 100
Older varieties..... 3.00 per 100

UMBRELLA PLANTS

A large stock....$3.00 per 100, $25.00 per 1000

OLEANDERS

Double white and double pink, $6.00 per 100
6-inch pots, very strong ..... 50.00 per 100

Double Petunias

Dreer's fine set.. .... .$4.00 per 100

Moon Flower

White, large stock ..... 4.00 per 100

Alyssum, 3 varieties ..... 3.00 per 100
Abutilon, Souv. de Bonn ..... 5.00 per 100
Alternanthera, 2 var. $3.00 per 100 200 for $5.00
Ageratum, Cope's Pet..... $3.00 per 100
Acalypha ..... 4.00 per 100
Begonias, in var ..... 4.00 per 100
Coleus, $3.00 per 100 200 for $5.00 $20.00 per 1000
" Rooted Cuttings .....$1.00 per 100, $6.00 per 1000.
Cannas, fine sorts .....$6.00 per 100
Carnations, leading sorts..... 3.00 per 100
" Rooted Cuttings..... 2.00 per 100
$15.00 per 1000.
Chrysanthemums, very fine sorts $3.00 per 100
Dracæna indivisa, 4-inch..... $10.00 per 100
Cuphea ..... 3.00 per 100
Feverfew Little Gem..... 3.00 per 100
Fuchsias, in var..... 3.00 per 100
Farfugium grand..... 10.00 per 100
Lantanas ..... 3.00 per 100
Nierembergia ..... 3.00 per 100
Primulas, 4-inch ..... 10.00 per 100
Santolina incana ..... 3.00 per 100
Salvia, scarlet ..... 3.00 per 100
Smilax ..... 3.00 per 100
Swainsona, white and red..... 4.00 per 100
Vincas, 2 var..... 3.00 per 100

W. L. Smith,

Our 20-page wholesale list ready in a few days. **Send for it!!**

AURORA, ILLINOIS.

JANUARY OFFER.

	Per 100
ENGLISH IVY	$3 00
BEGONIAS, 5 Var.	3 00
OXALIS FLORIBUNDA	2.50
FARFUGIUM GRANDE	3.50
Pansy Plants to close out $2.50 per 1000. Cash with order.	.50

Jos. H. Cunningham, Delaware, O.

HARDY

Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA.

PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

GALAX LEAVES AND LEUCOTHE SPRAYS...

Green and Bronze. Of all wholesale florists—or write the Introducer for free samples and information.....

HARLAN P. KELSEY,
150 Tremont Building, - BOSTON, MASS.

PRIMULA CHINENSIS, 2-inch pots ....$2.50 per 100, $20.00 per 1000
PRIMULA, transplanted seedlings, from flats $1.50 per 100.
FERNS, 3-inch pots.....$5.00 per 100
CARNATIONS. Field grown Lizzie McGowan and Scott. Write for prices.
VIOLETS. Marie Louise, strong field grown. Write for prices.
HYDRANGEA HORTENSIS, rooted cuttings..... .....$2.00 per 100
SWAINSONA.....$2.00 per 100
ABUTILON Souvenir de Bonn and Golden Fleece...$3.00 per 100
GERANIUMS. Rooted cuttings..... .. .$1.50 per 100, $12.00 per 1000

C. LENGENFELDER.
Lincoln and Berteau Avenues, CHICAGO.

ROSE HILL NURSERIES,

JUST ARRIVED!

Cocos Weddeliana $7.50 per 1000. 5000 lots, $36.00.

SIEBRECHT & SON. New Rochelle, N. Y.
New York Office, 409 Fifth Avenue.

FORCING

	PER 100
SPIRAEA ASTILBOIDES FLORIBUNDA,	$6.00
SPIRAEA MULTIFLORA COMPACTA.	6.00

These are extra fine clumps, not divided. Also a limited quantity of Lilium speciosum album, rubrum and roseum; good for forcing—Holland grown. Orders entered now for hardy nursery stock—such as Clematis, Rhododendrons, Magnolias, Hardy Azaleas, Tree Roses, H. P. Roses, Paeonias, etc.

Branch of The Horticultural Co., Boskoop, Holland. L. G. BOBBINK, Rutherford, N. J.

PALMS and FERNS



Adiantum Farleyense

BEAUTIFUL PLANTS.
In 5-inch pots, at $9.00 per dozen.
EDWIN LONSDALE, Wyndmoor,
Money Order Office, Station H. Phila | Chestnut Hill, PHILADELPHIA, Pa.

Areca lutescens.

A few shapely plants in 9-inch pots, 4 feet high, $3.50 each; $42 per doz.
JOHN WELSH YOUNG,
..... GERMANTOWN, PA.

We are now Booking Orders for that Peerless New Yellow DAHLIA

Clifford W. Bruton.

It is an early and profuse bloomer, while the flowers are of immense size and grow on very long stems. Address
W. P. PEACOCK, ATCO, N. J.

Say "saw your ad. in the Florist" when you write advertisers.

Palms,

Pandanus Veitchii,
Ferns and Araucarias,
IN ANY QUANTITY.

JOHN SCOTT,
Keap Street Greenhouses,
.... BROOKLYN, N. Y.

ROBERT CRAIG
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Street, PHILADELPHIA, PA.

SPECIALTIES

IN BEST VARIETIES.
ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.

FERNS...

In fine assortment, from 2½ in. pots, $3.00 per 100; $27.00 per 1000 .....
CHAS. T. DARLING, Stony Brook, L. I., N. Y.

Rochester, N. Y.

Pleasant and mild weather prevailed during the past week. The agreeable weather conditions had a beneficial effect on trade perhaps, for sales over the counter were better than usual at this time of the year, and otherwise the demand was also rather brisk, so that the supply of flowers could be cleared up regularly every day. Not too much stuff is coming into this market, although in some lines the scarcity was not so apparent as in the preceding week.

Carnations are perhaps more plenty than any other stock, but by no means too abundant; roses and violets remain decidedly scarce, but an improvement in quality is noticed everywhere.

Prices have not changed materially since last report, growers are satisfied with them, excepting perhaps with the rather low figures on mignonette, which does not bring more than $3 per 100, and they claim that this is an entirely inadequate compensation for the work bestowed upon each individual spike, I believe they are not unreasonable in their claims and they ought to get more for them, but on the other side the storemen say that their customers will not take them at a higher price, so there is no help for it at present.

Immediately after the holidays we generally experience a lull in the cut flower business, but this year the Rochester florist had no reason to complain in this respect up to date, whether these favorable conditions will continue for any length of time is a matter of doubt with many, while others are inclined to think that the improvement will be lasting. J. B. K.

Election of Officers of the Florists' Insurance Association.

The Board of Directors have elected the following officers for the first year: President, J. G. Esler, Saddle River, N. J.; vice-president, M. A. Patten, Tewkesberry, Mass.; treasurer, E. H. Michel, St. Louis, Mo. The secretary, W. J. Vesey, Ft. Wayne, Ind., was elected at a previous meeting when the board of directors were chosen. The Association is now ready to do business and desire that all applications be forwarded at once.

In regard to steam pipes in contact with wood, there is not the slightest danger in the greenhouses where everything is moist and the pipes are partially cooled, but, in the boiler room where everything is dry as tinder it is certainly dangerous to have wood heated near the igniting point. Hence the pipes here should be properly air spaced or insulated, at least near the boiler. The importance of this was shown in the recent fire in the Reinberg houses. W. J. VESEY.

DIXON, ILL.—Davis & Baird, florists, formerly of Morrison, Ill., have failed.

NATHAN SMITH & SON

Wholesale Florists

Specialties ADRIAN, MICH.

CHRYSANTEMUMS
CARNATIONS
AND VIOLETS

• • • CORRESPONDENCE SOLICITED • •
Mention American Florist.

NEW CARNATION

"Mrs. S. A. Northway"

A soft shell pink, developing to nearly pure white.

OUR MASTERPIECE.

We shall commence shipping soon.

Orders booked **now** and filled in **rotation.** . . . .

PRICE: PER 100, $10.00. PER 1000, $75.00.

Newer Geraniums.

Mme. Bruant, Mme. Jaulen, Fleure Poitevine, J. Sallier and J. Ricaud. Fine stock from 2¼-inch pots, $5.00 per 100. ROOTED CUTTINGS, $3.00 per 100; $25.00 per 1000. Net cash.

GENERAL LIST OF GERANIUMS.

A superb stock in quality and variety of all the finest sorts, from 2¼-in. pots, named. $25 per 1000; unnamed, $20 per 1000. ROOTED CUTTING, $12.50 per 1000. Net cash.

Fuchsias.

A grand lot of summered-over stock in small pots that will make early blooming plants, $3 per 100.

W. P. SIMMONS & CO.

Make the following statement to the readers of the American Florist

As originators and introducers of
"Silver Spray,"
"Tidal Wave,"
"Daybreak,"
and "Rose Queen,"

each of which has, we believe, proven even better than we claimed for them. We NOW say for 1898 that

"Mrs. S. A. Northway"

possesses all the good points that go to make up a **first-class** and **profitable** cut flower sort, and that we introduce it with even more confidence than we did the others.

It is an extra strong grower.
It is free from rust or disease.
It is a profuse bloomer.
It has exceedingly strong stiff stems.
It is of exquisite form full and double.
The flower is high built, petals serrated.
The calyx does not burst.
It is delightfully fragrant (a quality lacking in many new ones.)

OUR PRICE LIST now ready, contains prices on many other plants. SEND FOR IT.

W. P. SIMMONS & CO., Geneva, Ohio.

FIREFLY

A RUST PROOF .....CARNATION.

Bright scarlet and positively **RUST PROOF** It is as prolific as Scott, of good size and form, and its keeping qualities are unsurpassed. We have tested it four years.
Our stock also includes all the Novelties of '97 and '98. Send for prices.

GEO. HANCOCK & SON, Grand Haven, Mich.

Not so Very Cheap But Mighty Good...

CARNATIONS ROOTED CUTTINGS.

Pingree	Best Yellow.
Jubilee	Best Scarlet.
McBurney	Top Notcher With Us.
Flora Hill	Whitest White.
McGowan	Still Hard to Beat.

State How Many You Need and Ask Price.

W. N. RUDD, MT. GREENWOOD, ILL.

50,000 Flat-Grown CARNATIONS

STRONG STOCK.	per 100	per 1000
Daybreak	$2.00	$15.00
Scott	2.00	15.00
Rose Queen	2 00	15 00
Tidal Wave	1.50	12 00
Portia	1 50	12.00
Rob Roy (new)	10.00	
Jubilee	3 00	
Snow Queen	10 00	
Silver Spray	1.50	12.00
L. McGowan	1.50	12.00
Eldorado, Meteor	2.00	
Flora Hill	5.00	
Triumph, Armazindy	3.00	
Pluto, new, and Uncle Sam, new, both varieties	10 00	

Cash with order. HENRY A. NIEMEYER, Erie, Pa.

BAKER'S

NEW CARNATIONS.

Grown and tested five years.
ONEIDA—Pure pink, healthy; no rust; continuous producer; largest size bloom.
RED JACKET—Bright red, fine stem and calyx; continuous cropper. **$10.00 per 100.**
Orders booked now to be filled in rotation as fast as rooted.

C. F. BAKER, Utica, N. Y.

Carnation Rust.

ED. AM. FLORIST.—Will you kindly let us know through your columns what should be done with rust on Silver Spray carnations? W.

It has been the general experience of the best growers that little can be done to help rust-infested carnations, beyond removing the diseased leaves and keeping the foliage dry, together with careful attention to every minute detail of skillful cultivation. Keeping the pipes well painted with sulphur wash, as in rose-houses is advisable. Under these conditions rust frequently disappears almost entirely. Varieties very susceptible to rust when grown in the ordinary way, are often almost free from it when grown under glass through the summer.

Much of the stock of Silver Spray has been so weakened by bad methods of propagation that it is very susceptible to disease. B.

AURORA, ILL.—Peter Freeman of the firm of Freeman Brothers, the North Lake street florists, has purchased the floral stock belonging to Frank Haywood of Cedar street. Mr. Freeman will rent the Haywood greenhouses and start in business alone.

BUY YOUR ROOTED

Carnation Cuttings

THAT ARE

GROWN FROM EXTRA FINE HEALTHY STOCK.

Alaska, McGowan, Albertini, Scott, Keller.	$2.00 per 100.
Triumph, Daybreak, Jubilee.	$3.00 per 100.
Armazindy	$4.00 per 100.
McBurney, Flora Hill, Mayor Pingree	$5.00 per 100.

"Best stock" is cheapest. We took most all the carnation prizes at the recent St. Louis show.

SOUTH PARK FLORAL CO.
NEW CASTLE, IND.

Experiences
...WITH...
CARNATIONS

Ready now. Send me your address on a postal and receive them regularly, during the season.

ALBERT M. HERR,
.....LANCASTER, PA.

ROOTED CUTTINGS

Am. Beauties, Brides, Maids, Perles, Belle Siebrecht, Meteors. Write for prices to

GEO. A. KUHL, - PEKIN, ILL.

THE NEW CARNATION **Cerise Queen**

The best dark pink we have seen or grown. Orders booked now. $10 per hundred.

Mayor Pingree FINE STOCK. $5.00 per 100. $40.00 per 1000.

JOHN BREITMEYER & SONS,
DETROIT, MICH.

Flora Hill

The Best White Carnation to date; also 28 others. The Cream of '97 and '98. Send for our very low price list.

H. F. LITTLEFIELD, Worcester, Mass.

WANTED Carnation growers to look into the merits of

NEW CARNATION "ARGYLE"

and be convinced that it is the coming commercial variety of its color.

READY MARCH 1st. Price, $2.00 per dozen; $10.00 per 100; $75.00 per 1000.

Send for circular for full description and a select list of money makers in Chrysanthemums.

STOLLERY BROS., Argyle Park, CHICAGO.

New CARNATIONS.

WHITE CLOUD—White.
GOLD NUGGET—Yellow.
NEW YORK (Ward)—Bright cerise pink.
MRS. JAMES DEAN (Ward)—Clear silvery pink.
JOHN YOUNG (Ward)—White.
BON TON (Ward)—Scarlet.

Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1000.

We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Whitestatter), Firefly (Hancock), Pyche (Hill), Painted Lady (Hill), and Mrs. S. A. Northway (Simmons).

All good 1897 novelties and other standard varieties at reasonable prices.

New Chrysanthemums.

MRS. C. H. PEIRCE—Yellow. 35c each, $3.50 per doz., $25.00 per 100.
SNOW QUEEN—White. 50c each. $5.00 per doz., $35.00 per 100.
MERRY CHRISTMAS—Late White. 35c each, $3.50 per doz., $25.00 per 100.

Send for Descriptive Price List. Ready January, 1898.

F. DORNER & SONS CO.
LA FAYETTE, IND.

FOR SALE
ROOTED CUTTINGS

Tidal Wave.....per 100, $1.50; per 1,000, $12.00
Lizzie McGowan....per 100, 1.25; per 1,000, $10.00
Century.....per 100, 5.00; per 1,000, 40.00
No order filled for less than 100.

OTTO HANSEN, . Mt. Clare, Ill.

Never Fail to say "saw your ad. in the Florist,"

Carnations
Chrysanthemums

NEW AND STANDARD VARIETIES

Our new Trade List will embrace the leading novelties of 1898 and 1897 as well as the best standard sorts. Address

H. WEBER & SONS, - Oakland, Md.

ROOTED CUTTINGS

ROSES.

Bridesmaid, Brides, Perles, La France, Meteors, Kaiserin	$1.50 per 100, $12.50 per 1000, Cuttings.

CARNATIONS.

William Scott, Nancy Hanks, Tidal Wave, Portia, Lizzie McGowan, Kohinoor	$1.00 per 100. $7.50 per 1000.
Daybreak, Emma Wocher, Meteor, Goldfinch, Lizzie Gilbert, Harrison's White, Bridesmaid	$1.50 per 100. $12.50 per 1000.
Nivea	$3.00 per 100.
Jubilee	$25.00 per 1000.

No order for less than 100 of one variety accepted.

REINBERG BROS.,
51 Wabash Avenue, CHICAGO.

UP-TO-DATE

Cuttings

THE following Carnation Cuttings are rooted in sand and then transplanted into soil, are strong and healthy; every cutting a good one.

WM. SCOTT and LIZZIE McGOWAN, $1.00 per 100; $10.00 per 1000. DAYBREAK, $2.00 per 100; $15.00 per 1000.

Coleus Golden Bedder, Crimson Bedder, and twenty other good bedders now ready, from strong top cuttings, 2¼-in. pots; will make you lots of cuttings, $1.00 per 100; $10.00 per 1000.

Named Geraniums, up-to-date varieties, 2¼-in. pots, $2.00 per 100; $20.00 per 1000.

Salvias, Petunias, Feverfew Little Gem, and Begonias, all named, 2¼-in. pots, $2.00 per 100; $20.00 per 1000.

THE MORRIS FLORAL CO.
MORRIS, ILL.

The Horticultural Society of Chicago.

The annual meeting of the Horticultural Society of Chicago was held Saturday, January 8. The old officers were re-elected except that Mr. Harry G Selfridge was made second vice-president. President Chadwick and Secretary Egan, who have done so much for the society in the past, will thus still be at the helm.

The treasurer's report showed a large increase in the funds on hand and exceedingly satisfactory results from the last fall exhibition.

Forty-seven new members were admitted, among whom were the following well known florists: E. G. Hill, Richmond, Ind., Fred. Dorner, Lafayette, Ind., John T. Muir, Emil Buettner, Anthon Then, G. H. Peiser, Thos. Wallis and John C. Ure.

Santa Cruz, Cal.

At the annual meeting of the Santa Cruz Floral Society, held January 3, the following officers were elected: President, Mrs. H. C. Cooper; vice-president, Mrs. Krugar; secretary, Dr. J. P. Parker; treasurer, E. Leedham; botanist, Dr. Anderson.

There have been a few light frosts, but they have done no serious damage.

Thomas Thompson did a good Christmas business in carnations, which he grows to perfection; also in Paper White narcissus, grown outside, some thousands of which he sent to San Francisco.

BULB.

ORANGE, N. J.—The annual dinner of the New Jersey Floricultural Society was held on the evening of Monday, January 10. About thirty-five gentlemen participated, and it was a very enjoyable affair all through, lasting until 1:30 a. m. President Malcolm MacKorie sat at the head of the table and all the other officers were present. Speeches were made by Dr. Kitchen on "Our Ladies," Dr. Dodge on "What has Science done for Horticulture," A. Herrington on "Our Sister Societies," W. A. Manda on "Floricultural Progress during the past ten years," H. Bird on "The Importance of Little Things;" W. Duckham on "The Private Gardener" and J. Withers on "The Horticultural Press;" George Smith and others contributed entertaining songs.

GERMANTOWN, PA.—Monday, January 10, at the annual meeting of the Germantown Horticultural Society the following officers were elected to serve for 1898: President, Edward Neville; vice-presidents, Charles J. Wister, Albert Woltemate and Robert Le Boutillier; secretary and treasurer, George Redles, Jr.

The Wm. H. Moon Co.

MORRISVILLE, Bucks Co., PA.

Offer for Spring 1898 an Immense Stock of

DECIDUOUS TREES.

Evergreens, Flowering Shrubs, and Vines

In great variety, of all sizes. We note especially. . . .

12,000 **Dahlias**—whole roots.
10,000 **Ampelopsis Veitchii.**
10,000 **Clemalis Paniculata.**
20,000 **Wichuraiana, Crimson Rambler and Prairie Roses.**
500 **Actinidia Polygama**—New climber.
5,000 **English Ivy**—Long tops.
25,000 **Honeysuckles, Matrimony Vines. Wistaria, &c.**
100,000 **California Privet**—1 and 2 years old.

Trade list on application. Correspondence solicited. Mention Am. Florist when writing.

MAGNIFICENT NOVELTIES

12 of the finest **GERANIUMS** ever introduced; fancy varieties, novel colors, new types; the latest from England and France; ready now for..... $ 3 50
12 of **Dammanns** new Cannas; 12 varieties, Italia and Austria type for..... $ 3.00
12 varieties Cannas; novelties of 1897 from Crozy, and other noted raisers, $3.00; or 25 novelties, 1897 varieties, one of each kind, for..... $ 5.00
12 Chrysanthemum novelties, 1898; ready March 1st, including Autumn Glory, Pennsylvania, Solar Queen, for..... $ 4.00
Calvat's unrivalled set; 25 varieties; all prize winners as certificated; the set for..... $10.00

Send for List.

E. G. HILL & CO., - Richmond, Indiana.

CHRYSANTHEMUM FRANK HARDY. THE SENSATION OF THE SEASON

Certificated by the committees of the Chrysanthemum Society of America at New York, Chicago, Boston and Philadelphia.

☞ First prize among whites wherever exhibited. ☜ The best mid-season white to date and indispensable to every grower whether for exhibition or the cut flower trade.

Plants ready March 1st and orders filled in rotation.

Price, per plant, 50c.; per dozen, $3; per 100, $20; per 1000, $150. 25 at 100 rate; 250 at 1000 rate.

A. HERRINGTON,
FLORHAM FARMS, - - MADISON, NEW JERSEY

100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants, $2.50 per 100; $20 per 1000. Rooted Cuttings, 75c per 100; $6.00 per 1000; $50 per 10000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.
Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

50,000 SMILAX by mail, 50c per 100, $4.00 per 1000.

GERANIUMS mixed, from 2 in. pots, $2.25 per 100, $20.00 per 1000.

Send for samples.
Cash with order. **FRED BOERNER,**
CAPE MAY, N. J.

When writing mention American Florist.

Coleus ....CHOICEST.

35 varieties, the cream of 100 of the best sent out last season. Plants $1.50 per 100. Rooted Cuttings 60c per 100; $5.00 per 1000.

BEGONIAS—15 standard sorts, $1.00 per 100.

YELLOW MARGUERITE—The finest NEW variety, $2.00 per 100 Rooted Cuttings.

Strictly cash with order.

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STOCK PLANTS FROM BENCH.

Marion Henderson. Montmort, Ivory, Pink Ivory, Queen (white and yellow), Wanamaker, etc. Also a large collection of the best Ostrich Plume varieties. All $1.00 per dozen; $5.00 per hundred.

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GERANIUMS THAT WILL PLEASE **YOU.**

S A. Nutt, Beaute Poitevine, La Favorite, Heteranthe, 2¼-in. pots, per 1000 $25 00.

Cash with order please.

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JUST FOR FUN

ONLY A FEW FIRST CLASS	Doz.	100
Sanseviera zeylanica, Strong plants 4-inch	$1.00	$7 00
Begonia Rex, variety, large plants, 3-inch pots	75	5 00
Begonia, Flowering, extra fine plants, 4-inch pots	75	5.00

Specimen plants, Geranium La Favorite, 6-inch pots, 20 cts. each. Cash with order. Come quick.

McDONALD & STEELE,
109 S. Washington St., Crawfordsville, Ind.

BOUGAINVILLEAS.

Beautiful for "cutting" or pot sale.

Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests

Send for "Comments and Facts."

THEO. F. BECKERT, Glenfield, Pa.
9 miles below Pittsburg, Pa.

GERANIUMS Best Bedders and choice New Varieties, $10.00 per 1000; $1.25 per 100 by mail. Extra heavy stock, $13.50 per 1000.

COLEUS Select new and old $5.00 per 1000; 65c per 100 by mail.

Finest bedding Begonias, Pelunias, Scarlet Sage, Verbena, Vinca, Pansies, etc. Send for my list.

DANIEL K. HERR, Lancaster, Pa.

Please mention American Florist.

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Cold Fields at your door.—CERANIUMS.

Grown in soil in flats, ready to shift into 3-inch pots, $15.00 per 1000. S. A. Nutt, Beaute Poitevine, Mrs. E. G. Hill, Van Deeland Robt. Brett; the same in 2½-inch pots, $20.00 per 1000.

Standard sorts, such as double Grant, Bruanti, La Fayette, La Favorite, Le Pilot, Glore de France, Hoff Beech, Wonder, Mrs. J. M. Gaar, Jules Ferry Centurreau and others, $12.00 per 1000. In 2½-inch pots, $18.00 per 1000. Rose Geraniums, in flats, $2.00 per 100. Mountain of Snow, in 2½-inch pots, $2 50 per 100. Mme. Salleral, from flats, $1.25 per 100, $10.00 per 1000.

Ageratum, blue and white, from flats, 75c per 100 $6.00 per 1000. Fuchsia, standard sorts, from flats, $1.50 per 100, $12.00 per 1000. Feverfew Little Gem, from flats, $1.50 per 100, $9.00 per 1000. Selection of sorts to remain with us. Cash to accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y.

VERBENAS Clean, Healthy Rooted Cuttings, free from rust or mildew, for sale, or will exchange for rooted cuttings of Geraniums, Begonias, Fuchsias, Coleus, or small Ferns. Prices right.

HAMILTON & PLUMMER, - Kewanee, Ill.

Do the American Florist a small favor. Mention the paper when writing advertisers.

Among Chicago Growers.

There are several cut flower stores in Chicago conducted by ladies, and quite a number of retail florists employ young ladies as assistants; but to Mrs. C. A. Foote, of Downer's Grove belongs the honor of being the only lady in this vicinity who carries on the business of wholesale rose growing, and if the appearance of the place is any criterion, she manages it very successfully. Mrs. Foote has a large establishment devoted mainly to growing Brides, Bridesmaids, Meteors and Perles for the cut flower market. The Perles are very good, making just now a strong healthy growth with plenty of flowers and very few bullheads, and the Brides and Bridesmaids are very much above the average in health and vigor. Meteor appears to be a favorite with Mrs. Foote, and some of the very best blooms of this variety shipped to the Chicago market during the present season were grown here. The foreman, Mr. J. Goolen, is right up-to-date with Meteors, and they are seldom seen in better shape than he contrives to have them.

The greenhouses formerly owned by D. B. Fuller, and rented last spring by the Hinsdale Rose Company, have been put in first-class condition. With the exception of one filled with Harrisii and longiflorum lilies, all the houses are devoted to carnations, and the varieties grown include McGowan, Silver Spray, Ivory, Scott, Albertini, Bridesmaid, Daybreak, Tidal Wave, Fred. Dorner, Lizzie Gilbert, Rose Queen and Helen Keller. The McGowans are good; Silver Spray a back number; Ivory good; Scott excellent. A house of Daybreaks are very good, the clean and healthy plants bearing a heavy crop of well colored flowers. But of the dozen or more varieties grown here, Rose Queen must be selected as the leader, and it must be said that we have never seen this variety in better condition. Rose Queen has been discarded by many Chicago growers on account of the poor showing it made last season. With some of our best growers the calyxes burst so frequently and the flowers were of such poor quality in other respects as to be absolutely worthless. But there are several hundreds of flowers and buds of this variety in one house here, and not one of them shows a trace of split calyx. The color of the flowers is magnificent, and the foreman, Mr. Fred Jones, is highly pleased with his Queens, as indeed he has ample reason to be. The Helen Keller plants are making a strong growth, producing an abundance of flowers which only partially open and wither on their stems. As none of the flowers develop fully, Mr. Jones has become disgusted with Keller and is turning it out to make room for young stock. The Hinsdale Rose Co. have here ten acres of ground which is in an ideal situation for greenhouses. The place is within one-fourth of a mile of the station, and the ground has a natural rise of about twelve feet to the hundred from the south to the north. The scarcity of water is a great drawback, but it is expected that the city water will be installed next summer.

On the opposite side of town from the Fuller greenhouses is located A. H. Saxon, who for a number of years was gardener to W. H. Rand, Esq. This place consists of four houses devoted to violets, carnations and pansies, but Mr. Saxon has been in poor health for a year or more and his many Chicago friends in the trade will now be glad to learn that he is somewhat better. J. T. A.

JOHN N. MAY'S NEW CHRYSANTHEMUMS
FOR 1898

ALICE F. CAREY (Carey). A beautiful light shade of pink, reflex, having excellent keeping qualities with extra good foliage and stem. A grand commercial flower. Season, middle of November. Average, 3½ feet; terminal buds. Certificate C. S. A. 40 cents each; $3.50 per doz.; $25.00 per 100.

CHEMPWEC. Clear bright yellow, sport from Silver Cloud. Large flower with good stiff stem and foliage well up to the flower. An extra good shipping commercial variety of good vigorous constitution. In season 1st to 15th of November. 3½ to 4 feet; crown or terminal buds. 40 cents each; $3.50 per doz.; $25.00 per 100.

DOLORES. 84 points. A massive incurved deep yellow with broad petals of the largest size, with exceedingly stiff stem and foliage close up to the flower. One of the best and strongest growers we ever raised. 4½ feet. This is a late variety not fit to cut before the 20th to 25th of November; crown or terminal buds. 40 cents each; $3.50 per doz.; $25.00 per 100.

MINNEWASKA. 81 points. Bold heavy flower almost globular in form; straight and strap petals of a distinct shade of deep pink. As a late exhibition variety this will prove very valuable; also a good pot variety. 3 feet. 40 cents each; $3.50 per doz.; $25.00 per 100.

MISS GLADYS VANDERBILT. Certificated, 92 points. Pearl white with lemon shaded center; an exceedingly fine thing and a decided novelty both in form and general build, and an extra good commercial or exhibition flower. In season 1st to 15th of November; crown or terminal buds; 3½ to 4 feet. 50 cents each; $3.50 per doz.; $25.00 per 100.

ROBERT G. CAREY (Carey). A very beautiful globular incurved white of good substance and good keeping qualities. An extra fine exhibition or commercial variety. Will be a standard variety for all purposes. 4½ feet. Best on terminal buds. In season 15th to 20th November. Certificate C. S. A. Very valuable as a late white of good form. 40 cents each; $3.50 per doz.; $25.00 per 100.

SPOTSWOOD (Carey). A beautiful high built incurved light yellow, somewhat in the style of Bonnaffon. This variety will certainly make a reputation for itself both as an exhibition and commercial flower. An extra good keeper; very valuable to succeed Bonnaffon as a late yellow. 4 feet; crown or terminal buds. Certificate C. S. A. 40 cents each; $3.50 per doz.; $25.00 per 100.

Good strong plants ready March 1st, 1898. Also all the new varieties of other raisers.

JOHN N. MAY, Summit, New Jersey.

CORRECTION CORRECTION

The price on Cannas President McKinley and Defender is 60c each, $5.00 per dozen, $40.00 per 100, instead of $35.00 per 100 as quoted in our ad. of last week.

SEND..... FOR OUR 1898 TRADE LIST

The Cottage Gardens
QUEENS, N. Y.

Jardinieres, Pots AND Pedestals



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Artistic Shapes and Decorations.

Write us for Illustrations and Prices.....

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What does it mean

when the temperature of your greenhouse goes too low? You may answer this question from your own experience, but if you want to avoid such a misfortune, get a **thermostat**, or tell-tale. This can be placed in the greenhouse and the bell in sleeping room, or any other place, and may be depended upon to ring the bell should the temperature fall below the required degree. The thermostat may be adjusted to ring bell if temperature is too high. Price complete, Thermostat, bell, battery and wire, **$5.00.**

J. W. DAVIS, Dixon, Ill.

Pedigree Cannas.

Our new Cannas, Rosemawr, Golden Pearl, Malden's Blush, Duke and Duchess of Marlborough, Gloriosa, Sunset, Augusta, Baltimore, Philadelphia, &c., are the very best. Write for list of new and standard varieties.

THE CONARD & JONES CO.
WEST GROVE, PA.

It will be better for everybody if you mention the American Florist when writing advertisers on this page.

Worcester, Mass.

At last we are having clear, bright weather, and in consequence we are getting plenty of flowers that are of fine quality.

In roses we are getting fine Brides, Maids, Perles and Gontiers and the demand, which is up to the ordinary, just about uses up the supply.

Violets are good and more plentiful than ever before, and are selling well at $2 per hundred retail; a few good Princess de Galles are coming in and sell better than the doubles.

Carnations are as popular as ever and the quality is fully up to the standard. Scott is now coming in its old-time form, and Breaks were never better. Albertinis are exceptionally good and are bringing good prices, and the same can be said of Eldorado; in white, Storm King is the leader. Of the new varieties tried here this season Victor and Nivea are easily the best. C. A. Dana is improving very much, and a small bench of Maud Dean, at Lange's, are doing finely, and sell at sight. Harrison's White proved a disappointment; plants are strong and healthy, but so far have not averaged two blooms per plant.

Valley is plentiful now and we are getting some fine freesia; antirrhinum in white, yellow and pink is coming in in small lots and sells readily at $1.50 per dozen; Harrisii is a regular thing since Christmas and is moving fairly well.

Trade is holding up well after the holidays and from appearances now will hold steady during the season; prices are about the regular thing.

The writer took a run to Shrewsbury a short while ago to visit H. A. Cook's establishment, and as usual found everything as neat as wax, and the carnations looking much pleased with their quarters. Mr. Cook grows Scott and Daybreak, but most of his place is planted with Nivea, and it certainly looks grand; his new house containing some 5,000 Nivea is a sight to behold, and worth traveling a good way to see. His seedling No. 1, a light pink, much the color of Mrs. James Dean, and of stronger habit than Nivea, is a grand thing and will probably prove a decided acquisition.

C. D. Thayer, who has been quite ill, is convalescent.

Potter & Cousins have discontinued their Main street stand. A. H. L.

Cypripediums and Coelogyne Failing to Bloom Properly.

J. M. H. says: "My Cypripedium insigne plants do not bloom very well and I have also a plant of Coelogyne cristata in a 7-inch pot which does not give many flowers and those do not last long after cutting. What information can you give me about these plants?"

Ans. We find that Cypripedium insigne does well under the following treatment: For an old plant first take a hammer and break the pot, disturbing the roots as little as possible, for they love to cling to the pot and pot-sherds, then wash away carefully all (so-called) peat, etc., in clean water and re-pot in fresh broken pot-sherds, with an occasional lump of hard-wood charcoal, to within two inches of the top of the pot. Surface it over one-half inch thick with the tops of sphagnum, alive and green if possible, if not, use dry moss until you can get green.

We put our Cypripedium insigne out of doors in a partially shaded spot June 1 to September 1 and always deluge them with water from the hose, excepting as they start to flower, when we stand them away from the light that they may throw their flowers on as long stems as possible. When buds are swelling we move them well to the light, close to the glass to get fine flowers with strong full color.

Those plants destined to flower early must be grown under glass all summer, but returns are best from out of door plants. Weak liquid manure once a week through the summer is beneficial to a marked degree.

Coelogyne cristata should never be disturbed at the root, as such treatment is extremely repugnant to them, but should the bulbs begin to push over the sides of the pot, carefully break the pot and just as carefully take a syringe and wash away all potting material which seems to be in bad order and then re-pot into a larger pot giving good drainage, using sphagnum moss with fern-roots from which the dirt has been well shaken out, mixed with coarse sand or fine gravel, some pot-sherds and now and then a lump of charcoal. Set the plant so that the center will be the highest.

We grow our plants out of doors June 1 to September 1, and when brought in, some are put in a cool, some in an intermediate and some in a warmer temperature, thus prolonging the blooming season. They are always watered freely, except for six weeks after blooming, during which time they are kept on the dry side. They get weak liquid manure every five days during the growing season until the flower stems begin to push when it is withheld.

Cut the sprays of flowers always at dusk; put the stems in cold water and set in a cool place until morning, and they will last nicely, unless they have been left on the plant until ready to collapse. Few things are more beautiful than this chaste and elegant white flower in sprays, and with us they bloom profusely. Charcoal used to a moderate extent in potting orchids, is, to a certain degree beneficial, but should always be from hard wood.

O. R. KIDS.

WESTCHESTER COUNTY HORTICULTURAL SOCIETY.—The following are the officers for 1898: President, A. L. Marshall, Pawling; vice-president, Geo. Barton, Mount Kisco; secretary, Herbert A. Spavins; treasurer, M. Green, Mount Kisco. Meetings will be held on the fourth Friday of every month at Mount Kisco.



30,000 DAHLIAS

Before ordering your Dahlia stock be sure and send for my catalogue novelties and standards of the best quality and at the lowest prices. All stock guaranteed true to name.

W. W. WILMORE, Box 382, DENVER, COLO.

Please mention the American Florist.

Fancy-Leaved Caladiums

DRY BULBS

Grown by our specialist in the West Indies. The best bulbs of this class we have ever seen. The stock bulbs of these were furnished by us from the famous Brazilian Exhibit at the World's Fair in 1893. Over 25 kinds, all true to name. Price, new and rare sorts, all named, per doz., $2.00; per 100, $14.00. Standard kinds, we have in large quantities and can supply in named sorts, per doz., $1.75; per 100, $12.00.

CARNATION CHRYSANTHEMUM AND CANNA } **NOVELTIES** For Spring 1898

We can supply you all the best new ones in one order. In one express shipment and guarantee first class plants.....

VAUGHAN'S SEED STORE

14 Barclay St., NEW YORK 84-86 Randolph St., CHICAGO

READY FOR IMMEDIATE DELIVERY..... **100,000**

CARTAGE FREE
PUT UP IN PAPER LINED BARRELS

Excelsior Dwarf Pearl Tuberoses

3-4 inch circumference per barrel of 1500.....$5.00
4-6 inch circumference per 1000..... 6.00
Extra selected per 1000..... 6.50

Cash With Order **C. H. JOOSTEN,** 193 Greenwich St. New York

Nashville, Tenn.

The usual dullness following the holidays has characterized the floral trade lately. Social functions have been on the small and early order, calling for but few floral garnishings. New Year's day, which formerly was the biggest day in the calendar, passed without any unusual call whatever. The day was not observed in the least socially. Following our Centennial Exposition the youth of the city, who constitute a large factor in flower buying, have been unable to bestow the usual polite attentions of this kind upon their lady friends.

The stock under the mild weather of the past few days has improved wonderfully and both Brides and Bridesmaids are fine in size and color. Perles are plentiful and American Beauties are fully up to standard.

Roses are retailing at $1 and $1.50 per dozen, with $3 and $4 for Beauties. There seems to be a scarcity of Romans and narcissi; carnations are in sufficient supply. One firm is still cutting some very nice chrysanthemums suitable for funeral work.

Out-of-town calls are good, creating a demand when the city trade falls off. A number of fashionable weddings, teas and afternoon receptions are on for the present week. Violets are in demand always though there are no double violets, only the Schoenbrunn and California in this market. American Beauty always outranks other roses as a favorite, at the uniform price of $3. M. C. DORRIS

Piping for Hot Water.

Working gardener asks why two houses out of four should work satisfactorily, and the other two not, all being piped alike. The explanation in his inquiry is a direct answer to his own question when he says that the returns from the two houses which do not work satisfactorily enter the boiler directly oposite the fire, or as he describes it the hottest place in the boiler; such being the case, the back pressure on these returns is too much to allow free circulation. In connecting up boilers whether it be steam or hot water, the returns must always enter the boiler at the lowest point possible, and for steam, especially, as far back from the fire as reasonable; also for the latter it is much best to drop the return as low as possible before intering the boiler. This forms a trap which is always full of water and prevents the back pressure from the steam affecting the circulation.

The first change which Working Gardener made in the piping, i. e., from the 3-inch overhead feed for 12 2-inch returns into 6 flows and 6 returns with the highest point at the farthest end from the boiler with pet-cocks for air, was correct and should have worked all right if his returns to the boiler were in the right position and large enough to carry the volume of water back freely; to insure this the returns from all four houses should enter the boiler at not more than two openings, and these as above described should be as low as possible and as far from the direct action of the fire as possible. Of course the main returns should be large enough to take the volume of water back to the boiler freely.

Another point to consider is that when two returns come together they should never enter the main directly opposite each other, as the two streams will certainly check each other and prevent the steady flow necessary for an even circulation. The main trouble with Working Gardener's system is that part of his returns enter the boiler in a comparatively hot place and the others in a cooler place, instead of which they should all enter at the coolest part of the boiler. Those entering at the latter place allowed a free circulation which kept the hot water moving freely in the two houses and relieved the boiler of any extra pressure, and at the same time prevented the others from circulating. If the level of the flow and return pipes are even in all the houses there can be no difficulty in making the water circulate evenly if the returns are all connected to those behind the bridge of the boiler. JOHN N. MAY.

Kennett Square, Pa.

The name Kennett Square (sometimes pronounced Cannot) is in all probability a misnomer. Carnationville would have been a more suitable name, for wherever the eye is cast one beholds a range of carnation houses, some large, some small, but all at par as to the quality of the flowers. Nor would it be fair to assume that the boys out there "Cannot square" things. On the contrary, "fair and square" seems to be their motto, and a more honest body of growers would be hard to point out. None, however, need my praises.

Accompanied by Albert M. Herr, of carnation fame himself, our first call was on Wm. Swayne. As usual, his carnations showed the results of the best of treatment, the foliage looking strong and healthy, the flowers perfect. It was his Empress, however, that interested us most. Tall and graceful with a stem as thick and erect as a cane, her crimson majesty towered far above all the other varieties. In the words of Mr. Swayne, "The Empress has made her debut, and has come to stay."

At J. M. Palmer's establishment we found things equally interesting; his two red seedlings, designated as No. 333 and No. 12 look decidedly promising, while his Kohinoor, a white one dotted with a delicate pink tint, has already achieved some degree of popularity in the Philadelphia market.

At Louis B. Eastburn's place we discovered two white seedlings; both look fine, though another year's test will be required to decide their commercial value.

Chas. S. Swayne's Sweetheart, a white, deeply penciled with red, is all that its name implies.

Thompson Bros. and H. Hicks & Son are likewise in the front rank, both Portia and Cartledge being grown in either establishment with marked success. Lizzie McGowan, for white, seems to be still in the lead, though Flora Hill is rapidly coming to the front.

A new departure with some of the growers is the cultivation of mushrooms and tomatoes. Both find a ready sale in the Philadelphia market. HOMO.

NEW FORCING ROSE

MRS. ROBT. GARRETT

Hybrid tea, rich soft pink, buds very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy, vigorous grower, a money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and has elicited the most favorable comment from critical judges. Price $3.50 per doz.; $25.00 per 100 in lots less than 1000; $225.00 per 1000. Orders booked now, delivery March 15, 1898. Correspondence solicited. Address

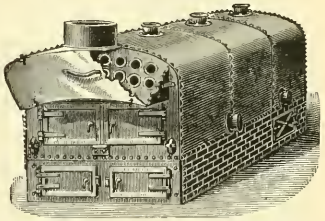
H. WEBER & SONS, Oakland, Md.

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Greenhouse * Boiler,

29 to 59 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

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Write to the Secretary for terms and information regarding Membership, Collection Rates and Reporting and Credit Department. Testimonials of the highest character as to efficiency and reliability.

CORNELIUS S. LODER, SECRETARY,

(NOTARY PUBLIC) 271 Broadway, NEW YORK.

Helpful Reminders.

Florists who make a business of decorating should be on the lookout conconstantly for pretty plants, especially those which withstand considerable handling, while palms are the most popular plants in use, a progressive florist will not depend on them for the pleasing effects. You can hardly get along without them, but they should not predominate in an ordinary decoration. All varieties are good. One of the most useful plants is the stevia; it comes in after the chrysanthemums are almost past; it is so light, sweet and feathery, if handled carefully it is the prettiest plant for this season, the old-fashioned tall variety. I would not give a cent for the dwarf except for a few plants of the variegated, which is dwarf. This variety in contrast with carnation plants, and the flowers of Daybreak and Wm. Scott or others of such shades is beautiful. Although you do not grow carnations, keep a few pot plants on hand for color effect of the foliage, and do not try to get along without these two varieties of stevia. The Swainsona is also extremely useful; you should have a few plants of this in two lots; use one while the other is recovering, as they don't stand dissipation well, but are so useful that you cannot afford to be without them; they are rapid growers. A few 10-cent plants very soon become decorative plants; keep them staked in greenhouse, but you will have to remove most of the stakes when you get them in place. If you want to use any of this vine cut, be sure and cut it the day before using or it will wilt so badly that it looks forlorn. The several varieties of bamboo are beautiful, easily managed and they are as pretty as an areca palm for many places, they are so easily handled. Just at this month they are at a standstill, but next month they will begin to make new leaves and it is best to procure stock early. They are sure to become popular as soon as generally known. The Echeveria metallica is easily grown and a plant that pleasingly attracts much attention. A plant that will keep days without roots if cut, it's an old fashioned plant, but too little known. The Aucuba Japonica, green leaves with yellow markings, grows dense and stands any amount of handling. Grevillea robusta, easily grown from seed, is graceful, particularly when new growth is on, causing a diversity of color. The old Veronica variegata with its light lavender feathery flowers is so easily taken care of and is far prettier in many places than a "stove plant," such as a pandanus, which is so easily damaged. Always keep on hand a few nice pots of grasses. Arundo donax variegata is particularly good; the Egyptian papyrus is extremely useful; the "dusty miller," Cineraria maritima, with its white foliage should be kept on hand; the Asparagus Sprengerii is a new plant and one of the most valuable plants ever handled by your humble servant; you can do anything with it. Some pots on hand now are sending out beautiful plumes three feet long; they keep cut for days, make beautiful hanging pots and take the place of ferns in many situations; and I have left for the last the Spiræa Anthony Waterer, none of the descriptions given in recent advertisements do this plant justice and the illustrations are very misleading. The party who made the cut certainly never saw the plant, and strange to say, I never saw any printed description of this plant, but what omitted one of its most striking features, that is the coloring of its foliage; many of the leaves are marked with white and delicate pink; its habit of growth is drooping; some of the most beautiful table decorations have been made with it; flowers are pink.

All the plants mentioned above, excepting stevias, are invaluable for decorators because they are available the whole year. When you come to consider fancy ferns, crotons, anthuriums and other stove plants, they are adapted for special care and conditions and expensive treatment, but those mentioned are good universal varieties, and should be provided in January before new growth starts; they are all easily propagated; they are also useful for conservatory and window decorations, and sell every month in the year. The wholesale growers are beginning to learn this, and are providing them for florists who have no greenhouses of their own, but you who have them should make arrangements now to provide yourself with ample stock of this nature, this is the time. C. B. W.

NEWARK, N. J.—Flowers and the stock of a florist's store were piled promiscuously in the gutter in West Park street, near Broad, this morning. They were the stock of Arnold B. Hoffman, florist, and had been put out for non-payment of rent.

AMESBURY, MASS. — The Henry Hill greenhouse, which has been conducted by M. F. Wentworth, was burned on the morning of January 4. Cause, an overheated furnace.



Vaughan's Pansy Seed

This is the time to make another sowing of Pansy Seed if your plants have rotted off.

VAUGHAN'S "INTERNATIONAL" oz., $10.00; ⅛ oz., $1.50; trade pkt., 50c.
VAUGHAN'S "GIANT MIXED" oz., $5.00; ¼ oz., $1.35; trade pkt., 50c.

These are strains with nine years' record and with a pedigree. We have scores of testimonials. Ask the best pansy grower of your acquaintance for his opinion of our strains of the above mixtures.

Trimardeau, mixed	½ oz, 35c.;	trade pkt., 10c.; oz., $1 00
Improved Trimardeau, mixed	⅛ oz., 45c.;	trade pkt., 25c., oz., 3.00
Giant Paris, an improved Trimardeau, mixed		trade pkt., 25c.; oz., 3.00
Giant white, black, yellow, striped, Beaconsfield, Emperor William, purple, bortensia-red, Aurora, Golden Queen, Auricula colors, each		trade pkt., 25c.
Giant Cassier, mixed	⅛ oz., 75c.;	trade pkt., 25c.; oz., 5 00
Giant Bugnot, mixed	⅛ oz., $1.00;	trade pkt., 25c.; oz., 6 00
Chicago Parks Mixture		trade pkt., 10c.; oz., 1.00
" " White, yellow, black, striped, and others, each		trade pkt., 10c.; oz., 1.00

For other sorts of Pansies see our Book for Florists.

FORGET-ME-NOT, Vaughan's Early and Everbloomer, plant flowers when 8 weeks old, trade pkt., 20c.

Canna Seed...

CROZY SORTS. SOW NOW.

Crozy Hybrids, best mixed, lb., $1 25; pkt., 10c.; oz., 15c.		J. D. Cabos	100 seeds, 30c
Mme. Crozy	lb., $2.00; pkt., 10c; oz., 20c	Egandale	" " 35c
Queen Charlotte	100 seeds, 5c	Chas. Henderson	" " 25c
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Shipment of Plants to Michigan.

We are in receipt of the information given below from the general agent of the American Express Co. at Chicago.

The laws of Michigan, Act 137 laws of 1897, Section 4, provide as follows:

"Whenever any trees, shrubs, plants or vines are shipped into this state from another state, country or province, every package thereof shall be plainly labeled on the outside with the name of the consignor, the name of consignee, the contents and a certificate showing that contents have been inspected by a state or government officer, and that the trees, vines, plants or shrubs therein contained appear free from all injurious insects or diseases. Whenever any trees, vines, plants or shrubs are shipped into this state without such certificate plainly fixed on the outside of the package, box or car containing the same, the fact must be reported within twenty-four hours to the State Board of Agriculture, by the railway, express or steamboat company, or any other person or persons carrying the same; and any agent of any railway, express or steamboat company, or any other person or persons who shall violate this section shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be fined in any sum not less than twenty-five nor more than one hundred dollars, or imprisonment in the county jail not less than five nor more than thirty days, or may be so fined and imprisoned in the discretion of the court, and any such fine shall be paid to the State Board of Agriculture."

Agents of this Company at points in other states from which such shipments are made to points in Michigan have been instructed to call the attention of shippers to above laws.

The form of certificate to be pasted upon box or package as recommended by the inspectors is as follows:

".....,.....189...

I hereby certify that I have examined the nursery stock and premises of..... ....of ..... and find no indication of the presence of San Jose scale or other dangerous insect, pest or fungus disease.

....., Inspector."

Our agents have not been instructed to refuse this matter, but unless provisions of the law above quoted are complied with, we would be obliged to do so. It is of course the duty of the shipper to furnish certificate of inspection which must be delivered together with the shipment.

The Date of Easter.

Easter is a moveable feast of the church, established to commemorate the Resurrection, and like some other festivals was adopted by the early Christian fathers from one of the pagan customs which had secured a hold on the affections of the people, namely the feast of Ostern, the Goddess of Spring. It occurs at different dates according to the moons phase on the 21st of March.

The earliest that Easter Sunday can occur is March 22, and it has only occurred that early twice in the past century, the latest it can occur is April 25. It is the first Sunday after the first full moon after the 21st of March. It will occur April 10, 1898; April 2, 1899; April 15, 1900. Paste these dates up now, it will save some hunting up when planting time comes around again for Easter stock.

The rustic feasting of our forefathers at Easter was their sacrifice to the Goddess; the modern American makes his sacrifice in a box of American Beauty roses or some other choice offering and generally personifies the Goddess in the shape of his wife. The said Goddess may also be propitiated by fine raiment or a bonnet which she wears. Many men think it equally a good time to buy new clothes also; they generally find themselves looking shabby about that time and if they can afford it bedeck their persons in honor of Ostern.

WORCESTER, MASS.—We are in receipt of the programme of the winter meetings of the Worcester County (Mass.) Horticultural Society. It provides for weekly meetings with interesting papers and discussions at each meeting. An annual reunion and banquet announced for March 9, shows that our Massachusetts friends appreciate the "creature comforts."

PATERSON, N. J.—John J. Werne, a florist employed at Cedar Lawn Cemetery, died suddenly of heart disease on the morning of January 4.

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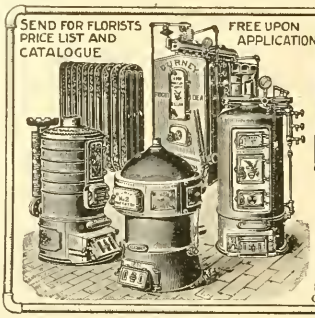
Partnership.

Every business man should have some knowledge of how far a partner may legally bind his firm. This is important in dealing with one member of a firm, in order to be assured that one can force the firm to carry out his agreements. It is also especially important for a partner, to enable him to understand fully what he may safely do on the firm's account and to what an extent he is in danger through the dishonest acts of his associates.

It has been said that taking a partner was as serious a matter as taking a wife and that the results of a mistake in the one case were almost as serious as in the other. There is more than a grain of truth in this. Let the partnership agreement be as strictly drawn as possible and the duties and powers of each partner defined to the minutest detail, this only defines the obligations of the partners to each other and has no bearing on their relations to outside persons. Unless it can be proved that definite knowledge of the limitations of a partner's powers has been conveyed to a person dealing with a member of a firm, such limitations will not allow the firm to repudiate any contract made in good faith with such partner. Of course the agreement must be in the usual lines of business of the firm, and in accordance with the common customs of business.

A purchase of coal, or plants or greenhouse glass by one of the partners in a greenhouse establishment would be binding on the firm and the firm would have to pay the bills even though the partnership agreement especially provided that the partner in question should have no such authority. The only recourse would be to hold the offending partner responsible for the loss occasioned by his acts. On the other hand one would run a risk of having a sale of a stock of goods or a house and lot or any other article, manifestly out of the line of the business, repudiated by the firm under like circumstances. If it can be shown, however, that the partner in question had been in the habit of making similar purchases on the firm's account, then the purchase will probably hold good.

The safe method to pursue in transactions departing from the usual line of a firm's business is to require the assent of all the partners, while in ordinary matters the signature of one partner is sufficient. B. JONES.



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ED. AM. FLORIST: I enclose plans of a house that I built last year for carnations. It is heated by a Furman steam boiler, and I would like to inquire through the columns of the FLORIST: 1. If there is piping enough to heat by hot water to 60° with zero weather outside? 2. What changes would have to be made to substitute hot water for steam? Would like to use same boiler if possible. J. L. L.

In answer to the inquiry of J. L. L., relative to the heating of a carnation house, the heating surface now in the house, which is proportioned for steam heating, would not be sufficient for heating by means of hot water. For the heating of such a house by hot water, to a temperature of 60°, about one square foot of radiating surface (outside surface of pipes) would be required for each 3 square feet of glass contained in the roof and ends of the house; thus, for each lineal foot of house, which contains about 54 feet of glass, 18 square feet of radiating surface would be required, whereas the 28 lines of 1-inch pipe and 3 lines of 2-inch flow mains, only contain about 11½ feet of surface, leaving a shortage of about 7½ feet, which is equal to about 12 lines of 2-inch pipe. The circulation of water through long lines of 1-inch pipe is very unsatisfactory in ordinary greenhouse heating, in consequence of the very slow circulation, resulting from the excessive friction of the water in the small pipes. I do not favor anything less than 1½-inch pipes for a greenhouse circulation of such a length and would give a preference to 2-inch pipes. Thus, to heat the above house to 60°, if the 1-inch pipes are to be used, I would advise adding one more 2-inch overhead flow, substituting four 2-inch returns for the three 1¼-inch ones now in, and doubling the number of 1-inch runs; but the more satisfactory method would be to throw out the 1-inch pipes now in, and use 4 2-inch overhead flow, 4 2-inch main returns, and 24 runs of 2-inch pipes under the benches. As to the possibility of using the present steam boiler for the hot water heating, I cannot speak, as no description nor dimensions are given, but if your correspondent will write me, I will be pleased to assist him.

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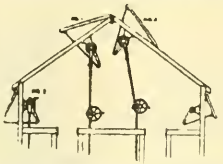
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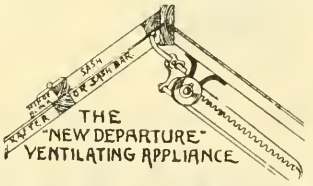
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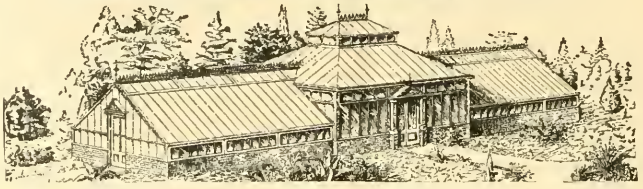
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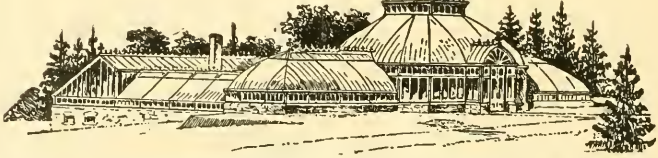
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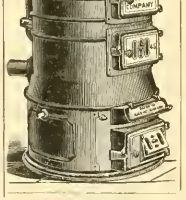
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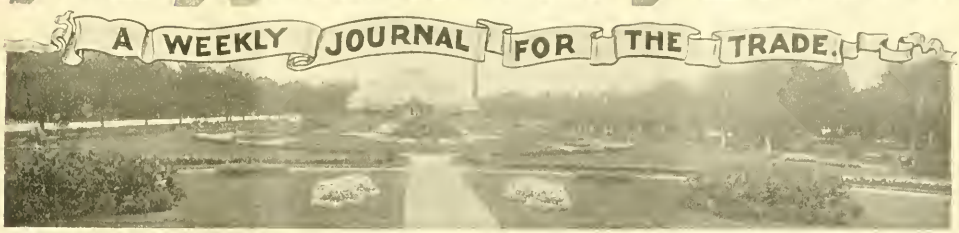
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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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THE AMERICAN CARNATION SOCIETY.

Annual Convention at Chicago, February 17 and 18, 1898. ALBERT M. HERR, Lancaster Pa., Secretary.

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Marie Louise Violet.

After a varied experience—extending over many years—in the culture of violets, it is only within the last few years that I have been able to feel pretty sure of coming out on the right side by spring. For the benefit of your readers, who may be interested in the growing of these plants, I will endeavor to explain our method of growing. I do not say that this is the right way, and it no doubt differs materially from the modus operandi of many successful growers, but it will go to show that with violets, as with all other classes of plants, there is more than one right way to grow them successfully. I have found by experience that more shekels are gained by studying carefully the needs of the plants in your own particular locality, the style of houses, aspect, etc., and more especially the soil that is available, than in trying to imitate a successful grower in a totally different locality.

Our violet houses are span roof, small glass sash of the ridge and furrow style, each house 10x110 and about 8 feet from floor to ridge. As four of these houses are entirely open to each other, this gives an almost solid surface of bed 40x110. The violets are planted in solid beds which are about 2 feet deep, upon an ash bottom, and from 3 to 5 feet from the glass, thus admitting of a free and constant circulation of air through all the houses.

Sometime during June or early in July, as other work will admit, about 6 inches of the old soil is removed. The remaining soil is well manured and thoroughly dug, a good coating of bone meal and about 3 inches of horse and cow manure mixed is put on top, after this the beds are filled with good rich soil usually the same as we mix for the roses. The violets are now planted about 6 by 8 inches. We use either rooted cuttings from flats or divide the old plants as we plant. We have tried both methods and see no difference in the results, but if the weather be very warm the rooted cuttings will take hold quicker. As fast as a bed is planted it is thoroughly soaked from top to bottom, no shading is used whatever, and no sash are removed. The ventilators are put up full and are never let down until frost; but remember this, the beds are kept thoroughly soaked all the time, no other care is taken of them except weeding and cutting off the runners, this latter work during September and October is quite an item with us; the plants grow like weeds, and need constant attention to keep them from forming a complete mat.

From October on, more care is taken with the airing and the temperature, the latter ranging from 40° to 45° at night to 65° and 75° on sunny days, but the beds are always kept soaking wet, consequently red spider is an unknown factor, for we never syringe overhead, always striving to maintain a dry atmosphere, as we don't like to encourage spot. Under the above treatment the plants produce good flowers, long stems and good color; last year they averaged forty-four flowers per plant. This may not be a good average but anyway it is a satisfactory one, and as we retail our own flowers we certainly come out on the right side of the ledger. We grow a few white violets, as there is always more or less demand for them. These we find are more productive when grown on benches with 10° more heat than the Marie Louise requires. The Swanley White is the variety we use, and this will produce immense flowers when allowed to fully develop, but if the soil be too rich, many of the flowers are apt to revert to the parent color, which, I should judge, is that of the old Neapolitan now so rarely seen, unless it be under its new name of Lady Colin Campbell, for I fail to see the difference. This latter variety is probably the most productive and hence the most profitable violet I know of, if one could sell the flowers. We tried it two seasons, but no one would buy them at any price.

The California we also experimented on with the same result. What a rank grower this is! If the leaves were only edible what a splendid salad plant it would make, but for cut flowers—not in this section. Nothing will go but the Marie Louise at present; and, as it is the most difficult to grow, the price of violets will stay up for a while yet, or until fashion changes. F. GOLDRING.

A Violet House of Novel Construction.

Thinking the florists of the country might be interested in a description of my "slope house," I append a few lines setting forth as briefly as possible the location, size, materials, heating and piping of the same, together with personal views upon the advantages of such a style of house I trust it may be kindly received.

To begin with, this house is situated in an open field on a knoll which slopes to the southwest on an average of eight feet in fifty; while it is so situated as to be sheltered from the heaviest north winds, yet during the summer we get the benefit of every breeze that moves, since there are no buildings adjoining to intercept the currents of air. It is 50x100 feet, built entirely of cypress and red cedar, has no sills and rests upon posts set two feet in the ground, four feet, six inches apart.

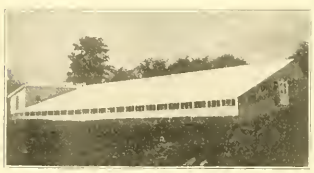
center to center; the eaves are four feet from the ground, and as may be inferred from above, the eaves of the north side are eight feet above the south ones; the roof is ten feet from the ground at its apex; the sash bars of the long span are forty feet, while those of the north or short span are fourteen feet; of course the long span faces the south, or, as this actually stands, southwest

The glass is 16x24, which is preferred in order to obtain the greatest possible amount of light, and is bedded in putty, which makes a very tight roof.

The sash bars are of cypress, 1⅜x3 inches, with drip groove, supported on four rows of purlins made of 1-inch iron pipe with posts of the same material seven feet apart; each sash bar is securely fastened to the purlin by means of an ordinary pipe strap, which not only holds the bar firmly for the glaziers, but stiffens the whole structure as a permanent fixture.

A point upon which a good deal of advice has been given "gratis" is the ventilation; but for all that has been and is said, the ventilation is perfect, which is obtained by a continuous row two feet wide at both sides under the eaves, and one at the highest point three feet wide, also continuous, which is operated completely by a single lift of Carmody's "meat saw" appliance.

The portion of "stagnant air" lying midway up against the roof, between lower and upper ventilators, does not exist, since heated air always tends to rise. The beds are of the solid type, being divided so that the space actually planted is 42x96 feet, which contains 6,000 plants (exactly) under 5,400 feet of glass.



The boiler, cast iron, for hot water, is located near the southwest corner of the house, six feet below grade; the heat is distributed through six sets of coils of 1½-inch iron pipe, which are hung on ordinary hook plates, screwed to wooden cleats, which in turn are clamped to the uprights by means of an ordinary axle clip, which are sold in all hardware stores; at the eaves there are three coils, at the purlins only two.

Just here I wish to say there is no difficulty in maintaining an even temperature throughout, notwithstanding opinions to the contrary; it is, however, maintained only by proper piping to counteract the tendency of heated air to leave the lower side. The closed tank system is used under pressure of about ten pounds to the square inch; the efficiency of this boiler is shown when I say that we use about 2,700 feet of 1½-inch iron pipe, while theory calls for about 3,000.

Our success may be perhaps in the soil, in the style of house, or more likely owing to the constant care and attention of George A. Saltford, the florist, or possibly to a combination of all these.

Among others these points of preference present themselves to my mind:

1. It costs less to build on this plan than on any other, considering the total area enclosed.

2. The large glass surface exposed to the direct rays of the sun is very favorable to a large production of violets at this season of the year.

3. Owing to its size the temperature is not so quickly affected by a change outside, as is the case with other styles, or in smaller houses.



4. The system of ventilation admits of a very low temperature during the heated period.

To those who think of building I would say if you have the right spot, build on this plan by all means.

In conclusion I would invite most cordially all readers of the AMERICAN FLORIST to inspect it for themselves, as our latch string is always out and we shall be pleased to extend to you all a hearty welcome. So come and pay us a visit and see for yourself. J. W. FEETER.

Highland, N. Y.

Chrysanthemums.

GROWING FINE EXHIBITION PLANTS.

It is a whole year's work to grow specimen chrysanthemums for exhibition. You must propagate early. It is a good plan to have a stock plant of each of the varieties you wish to grow—in a 6-inch pot—in a nice cool place; they will then make good cuttings. The latter part of December is a good time to put cuttings in, although with some varieties a later date will do.

As soon as well rooted, cuttings should be potted in 2½-inch pots, and placed in a cool house, as near the glass as possible. Start pinching as soon as they begin to grow, for if you want to make good specimens you have got to make a systematic business of this pinching. It will not do to allow your plants to run away up and then cut them back, for then the wood has got hard and it will take a long time to break. The plant does not feel it when the wood is soft, but goes right along and makes another break. Every second joint should be pinched, that is rubbing out the little tip.

It is well to propagate a few more of each variety than you intend growing; this is also a good plan with new varieties that you wish to try. They take up but little room and you can discard as you go along. By the time they are ready for 7-inch pots you can tell whether they are going to make good plants or not. Shift along into larger pots as they require it, from 2½ to 5-inch, from 5-inch to 8-inch, never allowing them to become pot bound. About June 1 they will be ready for the last shift, to 10-inch or 12-inch, as may be required in the prize schedule.

Syringe your plants every good day, using any nozzle that throws a very fine spray. Continue pinching out the tips. Some varieties are apt to send up one or two extra strong shoots, making long joints; pinch these at first joint. Some varieties will require a few short stakes to keep them in shape. Water carefully after putting in flowering pots till they get started again to make new roots.

Pinching should cease about July 20. Some advise that the tall growing varieties should be pinched later, to keep them down, but it will not work; along in August you will find that the wood gets hard, especially in the tall varieties. Your plants will now require lots of room; keep them as near the glass as possible, turning them around as often as twice a week, for they grow so rapidly at this time that they get out of shape very quickly. By the middle of August you will have to do some staking. Willow stakes are the best for this purpose. Cut them in winter, bundle them up to keep them straight and put in a dry place.

As soon as you think flowering pots are getting full of roots start to give a little weak liquid manure, say about twice a week, being careful to keep it sweet. A good way to do it is to put manure in a bag which place in a small tub in one corner of the house where you grow the plants, then dilute to the strength you want in the watering pot, renewing the same every second watering. Some varieties are liable to begin to look yellow at this stage; a good tonic in such cases is a very weak watering with soot water; also there is nothing better for light foliage than a dressing of Clay's fertilizer; it acts quickly but must be used very carefully.

Along in September increase your waterings with liquid manure, giving the stimulation weak and often and changing from cow to sheep manure, as the plants seem to be fond of changes in food. Probably after the plants have set bud some varieties will begin to lose a lot of the bottom leaves; you are getting too good to them; withhold manure water for a short time and give a few weak applications of soot and lime water: it sweetens up the soil. Give plenty of air, be careful not to crowd your plants and look out for mildew.

By October 1 the plants will be ready for the finishing stakes, and it pays to take a little extra care and time in this work. In fact, it is a job you cannot hurry if you expect to be in the swim. After they are staked they require an abundance of water, three times a day mostly. Don't allow them to suffer for water as it tells at once on the foliage. Some varieties wilt badly after being staked, but this does not seem to hurt them much. When the flowers commence to show color weaken down the feed, but continue the weak manure waterings every day up to the time of the show.

Now you have your plants all staked and showing color; will they be in time for the exhibition? A few cloudy days and the plants seem to stand still; they must have sun to finish them. The weather clears up and they just hustle; you will have enough to fill your classes. Some varieties will not be ready; never mind, your neighbors are in the same box. You get the exhibition over and have hardly time to breathe until it is time to start in again to prepare for another year. KIOTO.

Geraniums.

In the prevailing chase for something new, deserving and useful plants are often neglected and do not receive a fair share of the attention of the horticultural press, and frequently are neglected by the florist himself, through his efforts to grow something new, striking and rare. The geranium has been so long with us, is so well known (as cultivated in the past) by everyone, that of late we have seen or heard but little about it save the annual advertisements of rooted cuttings for sale. There are but few plants suitable for brilliant color effects, that successfully withstand our trying climate and among

those that do the geranium stands pre-eminently first where continued color effects in low-growing flowering plants are required, and because of its comparative easy culture and the certainty of success if proper varieties are selected, the newer sorts of merit deserve more attention than they have thus far been given. When visiting several establishments where geraniums are largely grown, I have remarked some who confine their list of varieties to two or three. "A good scarlet, a good pink and a good dark red is what we grow." This limited set of varieties makes it very convenient in propagating large blocks of young plants, "it's easier looking after the labels," but unfortunately it makes it necessary that Mrs. A., B. and C. must have geranium beds exactly alike and give no range nor scope for the satisfying of varying individual tastes.

Mrs. A. may favor the brilliant capucin scarlet of J. J. Harrison, Mrs. B. the bright soft vermilion of Alphonse Riccard and Mrs. C. the bright salmon scarlet of double General Grant; but ten chances to one when either considers a scarlet geranium bed she will be confronted by a mass of double Grants and nothing more. The same may be said of all the other shades of color. S. A. Nutt, La Pilot or W. P. Simmons will be the only crimsons shown, possibly Aurora, Fairy Queen or Poitevine will be the only varieties in pink. During the first years of my greenhouse experience geraniums were grown each spring and a local bedding trade developed. Many times I heard the exclamation, "Oh! yes, that is very nice, but I had it last year. Mrs. Jones always has a bed of that, and really I am tired of it. Cannot I have a bed of some other plants?" Such requests lead me to gather in an assortment of different varieties and I soon learned that variety was as pleasing in geraniums and would be appreciated fully as much as variety in other plants.

The selection of suitable bedding varieties while not beset with the difficulties of choosing new and profitable carnations is nevertheless not the easiest task. If the single varieties, especially in the new English section would only cease dropping their petals and mussing up the foliage an assortment of magnificent colors could readily be made up to please the most fastidious of tastes; but there are but few singles that give good satisfaction for bedding purposes, and it is the doubles and the semi-double or Bruant section that give us our best bedding sorts. Many times I have been asked, What are the best bedding geraniums? While the question is not easy to answer, as the same sorts will vary in different localities, any florist embarking in the geranium trade would certainly get some fine sorts from the following list:

Double scarlet—Alphonse Riccard, vermilion scarlet, with us the best of all; J. J. Harrison, capucin scarlet, the brightest of all; double General Grant, salmon scarlet, intense, fine; Acteon, vermilion scarlet, equal to Grant.

Double crimson or maroon—S. A. Nutt and Leonard Kelway head the list. Nutt is a tall grower and Kelway dwarf. Marvel and La Pilot are nearly if not quite as good as Nutt; Phonograph I think is equal to the last two, and all are excellent bedders.

Double salmon pink—Beaute Poitevine is pre-eminently the leader of this section, dividing honors, however, with Gloire de France and Fairy Queen. Madame Jaulin, a new semi-double Bruant possesses great merit, and I believe it is one of the most chaste and attractive of the late introductions. Republique, a beautiful shade under glass, will be grand if it stands the sun.



HOUSE OF GERANIUMS—GROWN AT COTTAGE GARDENS, QUEENS, L. I.

Double pinks—Bonnatt leads the deep pink varieties, with Bonne de Villenova a good alternative. Among the lighter shades, Mrs. Parker and Agnes Kelway are bright, chaste and desirable, while Mary Hill should not be overlooked.

Double whites—Comtesse de Harcourt and Madame Buchner head the list, and are rather better than La Favorite, which, however, is still a first-class variety.

There are but few of the fancy doubles suitable for bedding, as many lose their distinctive coloring under the hot midsummer sun and heavy autumn rains, and unless the grower wishes a long list he may safely omit them.

There are a few single varieties that may well be added to every good collection. In scarlets Rev. Atkinson has always been our favorite; the color is as rich as in S. A. Nutt, and it is as free a bloomer as any. Single Grant, Athlete and James Kelway are all first-class.

Single pinks—There are two varieties that lead all others for brilliant pure coloring and freedom of bloom, Benj. Schroeder and Gertrude Pearson. Midsummer, a delicate chaste peach pink, cannot be excelled; it is totally distinct from any other variety. Madonna, a soft clear flesh pink, is fully as distinct as Midsummer.

Light salmons—Mme. de la Roux heads the list; it is identical with Mme. Ch. Molin, save in habit, which is one-third dwarfer. Mrs. E. G. Hill is second to none in size of flower and profusion of bloom; Mrs. A. Blanc is a rich, deep apricot salmon, strong and vigorous; but it will be superseded by H. Dauthenay, equally as good in color, dwarfer in habit and a much freer bloomer.

In the Miranda section Madame Bruant is novel and striking and possesses the best constitution. Mme. Hoste and Camille Bernardin are splendid varieties under glass.

The above list covers a wide range of valuable varieties that have passed the experimental stage. If the list is too long it could be cut to the following:

Doubles—A. Riccard and J. J. Harrison, scarlet; S. A. Nutt and Leonard Kelway, crimson; Beaute Poitevine and Madame Jaulin, salmon; Bonnatt, deep pink; Mrs. Parker and Mary Hill, light pink; Mme. Buchner and Comtesse de Harcourt, white.

Singles—Benj. Schroeder or Gertrude Pearson, pink; Mme. de la Roux, light salmon; Midsummer or Madonna, flesh; H. Dauthenay, apricot; Mrs. E. G. Hill, deep salmon; General Grant, scarlet; Rev. Atkinson, crimson.

Fancy singles—Madame Bruant, Mme. Hoste and Gettysburg, making twenty-two varieties in all.

Some may protest that good varieties are missing from the above list. True, and whenever you limit any list you will shut out many good varieties. It suffices, however, to say that any florist who can not do a good business from a house of well grown plants of the above varieties, has either missed his calling or squatted down in the wrong locality for geraniums.

When placing geraniums on the show benches, do not kill their colors by setting all the shades of pink, scarlet, etc., side by side. Divide them by blocks of complementary colors; the scarlets may be divided by blocks of whites, the pinks by the dark crimsons and maroons, etc.

Above other things grow your plants well. Do not have lanky, spindling plants topped off by a lean, thin flower spike. Keep the plants low and stocky, and feed and air your young stock sufficiently to produce a dwarf well rounded plant with a healthy truss of flowers that shows the true character of the variety. Then they will sell.

The greatest fault of the average florist is attempting to grow too many plants in too small a space. C. W. WARD.

RECENT German experiments show that alum, aluminum sulphate and iron sulphate produce blue flowers when applied to Hydrangea hortensis.

Some New Cannas.

The following are among the best new varieties offered this season:

Goliath—Fine crimson; uniform dwarf habit, never exceeding three feet in height; large dark green foliage; early and continuous bloomer; similar in color to Bouvier, but darker.

J. D. Eisele—Vermilion scarlet, overlaid with orange; strong, free grower; three and a half feet.

Furst von Hohenlohe—An ideal yellow bedding variety; upper petals pure yellow; lower one slightly marked with crimson; neat, compact habit and free flowering.

Sam Trelease—Rich glowing almost scarlet color; round flower; three feet high. Raised by Mr. Jas. Gurney, superintendent Tower Grove Park, St. Louis.

Sunray—Distinct striped variety; large size, rich bright yellow with brilliant scarlet stripes and dashes.

America (Italian)—Rich orange salmon, feathered and veined with scarlet; fine bronze foliage; six feet.



CANNA ALLEMANIA

Allemania—Very large flowers, six and a half inches in diameter; upper petals salmon, broad golden yellow border; very handsome variety; green foliage.

La France—Splendid dark foliage, flowers orange scarlet. J. D. EISELE.

Carnation Notes.

The days are gaining in length, with a noticeable increase in the amount of sunshine, and as a consequence the plants are making much faster growth and rapidly exhausting the food supply in the soil. The applications of liquid manure should therefore become more frequent as the season advances, and now we find it necessary to supply nourishment in this form about once a week, that is, if the weather is such as will permit of the benches becoming sufficiently dry in the specified time. One must be certain that the beds are in the right condition before applying liquid manure—guess-work will not do—and if very dry they should be well watered in the ordinary way before applying the stimulant.

In using liquid manure, it is advantageous to change the character of the food occasionally, as the constant use of any particular kind tends to enrich the soil with some one or two elements, leaving it destitute of others equally necessary to the welfare of the plants. We use about two buckets of manure to fifty gallons of water, and apply with a Kinney pump. This may not be such an up-to-date method as that practiced in some of the very large establishments, but for small places it is a much cleaner and safer way of doing the work than carrying it around in the watering can. There is in addition a great saving of time, as by the old plan the work occupies fully three-fourths longer.

Unless the grower is in the rooted cutting business, where lots of roots are necessary to insure the stock travelling long distances in safety, it is best to get the cuttings out of the sand before the roots are very large. They are then easier to handle, and we find that they take to the soil more quickly. Furthermore, if allowed to remain in the sand long after they are ready for the soil, they soon get drawn and weakly, and this is a great mistake if profitable plants are desired. After taking the cuttings from the sand, they should be planted in flats that are well drained, using good soil. Take care, however, that the soil is not too rich, as they will then make a soft, sappy growth, and the object is to avoid this and secure plants of the sturdiest character. Some growers fix one of the greenhouse benches for the rooted cuttings, and this is a good place for them; but if not available the flats will serve the purpose just as well.

The plants in any case should be in a light and airy house, kept free from weeds and fumigated about once a week to keep down insects. It is an error to suppose that because they are so small, about three inches high, with no three or four cents sticking out all over them, they do not need as much watchfulness as the flowering plants. These will be the flowering plants next season, and they should not be weakened by any neglect so early in their struggle through life. I have noticed the flats from six to eight inches deep used by some growers, but consider it far better to make two flats of the same amount of lumber and fill them nearly to the top with soil, so that the young plants stand well above the box. There is then no trouble with decayed leaves.

C. W. JOHNSON.

American Carnationists.

At the risk of being called visionary, I offer the following suggestions, and trust that they will be freely criticised, in the trade papers and at our meeting in Chicago.

As the $500 proposition made sometime back, does not seem practical, I now propose that I will be one of twenty or more to donate annually $25 for the use of the American Carnation Society. One-half of the money thus donated to be used towards offering premiums at our annual exhibition; the other half to be used toward the running expenses of the society on the following lines.

That a committee of three be appointed to take charge of the interests between the shipper, of either flowers or plants, and the express companies. Let this committee get up a shipping label and have it copyrighted for use by members of this society only. Give them power to enforce care being used in handling of goods shipped under this label. Rivalry between the express companies and the knowledge that this committee is backed by a good live society, would soon cause them to accede to any reasonable demands made by said committee.

There should also be an arbitration committee appointed to whom could be brought all differences, of any magnitude, between members for adjustment. This would still further improve trade relations between members of the society; although the society, by its mere existence, has already accomplished this to a great degree.

A reference list should be established and issued three times a year, September 1, January 1, and June 1, giving the bad pay purchasers throughout the country, both growers and retailers or storemen.

A blank form should be gotten up giving the principal characteristics of carnations that are grown, old and new, or being introduced, and these filled in by twenty or more members from different localities.

Bulletins containing such reports to be sent twice or three times during the year to all members of the society.

All of these things would take money, as the men who do the work should be fairly remunerated for their trouble, but I believe they could all be done, and the actual expenses of the society met with the $250 and the annual dues received.

Other lines of work would develop and could be added as the membership increases. This it would be bound to do if the benefits are confined to the members only (where they rightly belong); but not excluding trade papers from matter to which they are entitled,

This society should be and can make itself worth considerable more than the $2 annual dues to every man who grows carnations and to every store that handles them. There is only one thing necessary and that is for every member who can, to attend the meeting in Chicago determined to put his shoulder to the wheel and make it a business meeting of business men. Those carnationists who are not members should come and join and make 1898 the most successful year of the American Carnation Society.

A. M. HERR.

Ferns.

SOME POINTS OVERLOOKED BY GROWERS.

There is a constantly increasing demand throughout the entire year, for small ferns for filling ferneries. These should be well-grown stock in 2, 2½ and 3-inch pots, with but a small proportion of the latter size. The demand is not so heavy through July, August and September as during the remaining nine months of the year.

This trade has never been properly supplied. The wholesale growers prepare all this stock for fall delivery, when vast quantities are put on the market, often at ridiculously low prices. By midwinter it is sold out and no more is to be had. The market is supplied about six months out of twelve. Young fresh ferns should be in stock in March, as well as September.

Most varieties of ferns can be grown from spores to the proper size, in from six to ten months, according to the variety and mode of treatment. They are in salable condition as soon as well established in 2-inch pots. When they become root bound in 2-inch pots, and before they become stunted in the least, they should be shifted into 2½-inch pots. In this size they should be sold, if possible, as but a comparatively small proportion is wanted of a larger size.

It was not my intention in this article to give cultural directions but to call attention to a long felt want. Fern spores planted from now on till the first of May would find ready sale next winter at remunerative prices, while those planted at an earlier date, and grown along through the summer, would be dumped on the market in the fall when there is always a glut of such stock and consequent low



CORNER OF L. L. MAY & CO.'S CONSERVATORY AND RECEPTION ROOM, ST. PAUL.

prices. It makes very little difference whether you grow ferns to wholesale or only for your own retail trade, with too many full grown plants in the fall there is a temptation to try and hold the stock and work it off, which often costs more than it would to have grown on young stock to take its place. These remarks apply particularly to the Chicago market but they also apply in a greater or less extent to every city in the country.

There never has been a year since ferneries first came into fashion, when ferns were not plenty in the fall and there never has been a year when ferns of suitable size were not scarce in the spring.

J. T. A.

Dahlia Notes.

A PLEA FOR SPECIAL DAHLIA SHOWS.

The leading object in all horticultural exhibitions should be the promotion of the science and the art of horticulture. This should determine the nature and the scope of the exhibit. The public exhibition is one of the most powerful means of arousing interest and enthusiasm in the culture and use of flowers of all descriptions. It educates public taste, stimulates inquiry, and in a commercial point of view promotes the interest of the market grower by enlarging the demand for his products and extending their use.

The dahlia now occupies a prominent place in the fall shows and but few persons realize its possibilities as the basis of a special exhibition. The rose and the chrysanthemum have gained this recognition, but the merits of the dahlia have been slow to be appreciated. A distinct impetus has recently been given to its culture in this county. A few years ago collections of even a hundred varieties were rare, now they are becoming common and large growers frequently receive several orders in a single season for collections of that size. The seed catalogues plainly show the tendency by the greater amounts of space allotted to descriptions and announcements of good varieties.

This extension of culture has already laid the foundation for special exhibitions. Material has become plentiful. Some growers can stage from five hundred to a thousand varieties and numerous others can display a hundred or more. Very few persons have the slightest conception of the enormous development of varieties, and their multiplicity as a necessity in a show devoted to a single flower. Such a show, therefore, would be calculated to create a strong impression and exercise a powerful influence. At the outset the extent of the display ,would be dependent upon the larger growers, but the proper distribution of awards and the impulse given to extended culture, would quickly lead to strong competition among smaller growers as well as among the specialists.

The dahlia is a flower with qualities fitting it for extensive and lasting popularity. It requires no expensive outlay or preparation to bring it to perfection, no special trained skill in its cultivation, only the observance of a few simple principles common to the culture of all plants. Being an open air plant, it can be grown by any one having garden room. It blooms continuously and freely for two or three months. It can be used very effectively as the foundation of many decorative designs, and herein, and in the demand growing out of its increasing cultivation, lies its value to the professional florist.

The keeping qualities of both flower and foliage, rare in most flowers grown in the open air, render it peculiarly adapted to show purposes, as it will endure even a critical inspection for two or three days after cutting. The length of the period during which it continues in bloom allows the selection of such time for an exhibition as is best suited to local conditions, some part of the month of September being in most cases best. Of its various recognized classes, single, show cactus, pompons, fancy and decorative, the first three are so thoroughly distinct as to secure as much variety in an exhibition as could be obtained from the display of three different species of flowers, while the pompon and decorative classes are sufficiently different to add materially to the variety of the show and to prevent the dulling arising from

excessive uniformity. So distinct in fact are the newly developed cactus forms that people unacquainted with them almost uniformly fail to recognize the blooms when first seen as belonging to the dahlia family. Furthermore, it is a noticeable fact that the cactus and single forms commend themselves to persons to whom the set type of the show dahlia is distasteful and those who are pleased with the latter have little liking for the cactus type.

The dahlia comes at an intermediate time, between the rose and the chrysanthemum, the only flowers which have yet achieved the distinction of special shows, and so comes into competition with neither. It crowds nothing aside, but will occupy the gap between the two leading exhibitions of the present time. Its variety of size, color and form admit of almost bewildering variety of combination and display, and from every point of view in which the matter may be examined it shows itself pre-eminently adapted to the purposes of an exhibition exclusively its own. H. F. BURT.

About Pansies.

This is just about the time when we begin to think of spring, and pansies are the first plants we hope to have in good condition when the time comes for opening up the early plantings for out of door decoration. Those pansy plants that were transplanted in frames should be looked over. It may be some of them have been suffocated by a too dense covering of the frames. It is best to look at them anyhow, and if it is found that instead of 500 plants there are only 100 left, as may be proved on opening the frames, something must be done to repair the damage. Sow at once a batch of seed, and let it be the very best there is in the market. The seeds should be sown thinly in boxes, pressed firmly into the soil and covered with fine compost to a depth not exceeding one-eight of an inch. Place the flats in a temperature above 45°, but not higher than 55°, and as soon as the plants show three leaves prick them out about one and one-half inches apart in the flats and place them as close to the light as possible. Two inches of soil will be sufficient in the flats. By March 15, these little plants will be strong enough to transfer into frames, and these should have a little fermenting material underneath to prevent the checking of the plants during chilly nights. It is advisable during March to provide the frames with a covering of sufficient thickness to prevent the possibility of freezing.

It has been demonstrated in many cases that pansies sown in January and well cared for, were superior to those sown in September and grown in cold frames all through the winter. It is also claimed that the latter do not cost nearly so much as those sown the previous autumn. It must, however, be borne in mind that from the time the spring or winter sown pansies were committed to the soil they did not lack anything that was necessary for their welfare. There is plenty of time to sow pansies now if your winter frames have suffered, so do not hesitate to try it. J. T.

RAHWAY, N. J.—Charles Bedman, a well-known florist, whose place is on Washington street, East Rahway, was found dead in his home on the evening of January 11. Apoplexy is supposed to have been the cause. Mr. Bedman was 53 years of age and leaves a widow and six children.



HENRY SCHWARZ.

A Cincinnati Florist.

Henry Schwarz, a well-known figure among the Cincinnati florists, was born December 8, 1864 at Annweiler, Rhine, Bavaria, Germany, and after receiving a good school education he went as apprentice at the age of 15 to J. B. Dochnahl at Neustadt, where a general line of nursery stock, greenhouse plants and budded roses were grown. At the age of 18 he landed in New York in fall of '82, and the following spring entered the employ of Louis Siebrecht, Hinsdale, L. I., where he worked until 1885. He then turned his attention to cemetery gardening for one year at Charles Ilfrichs', Middle Village, L. I. His next move was to Cincinnati, where he served one year at B. P. Critchell's establishment under Thom. Caldwell. Thence he went to Nanz & Neuner's, Louisville, Ky., and from there to the well-known establishment of E. G. Hill & Co., at which place he took charge of the chrysanthemums for exhibition, taking the most first premiums at the Indianapolis show in 1888. On December 1, '88 he left Richmond to pay a visit to his folks at home. After a four months' journey abroad he came back to the United States and entered the employment of Siebrecht & Wadley (now Siebrecht & Son). A young lady near Cincinnati who attracted his attention could not be persuaded to go East and therefore he was compelled to go West in spring of 1890, when he took charge of the O. J. Wilson private garden, Clifton, Cincinnati, and was married. Here he remained nearly two years and in the fall of '91 started in business for himself at his present place, Price Hill, a suburb of Cincinnati. He has been one of the active members of the Florists' Society since its organization and was recently elected its secretary.

Mr. Schwarz is the representative of the AMERICAN FLORIST in Cincinnati and the Cincinnati society is to be congratulated on securing as secretary so able, energetic and faithful a worker as we know him to be.

Politics in Paterson, N. J., Parks.

The enforced resignation of Mr. Otto Buscek, park superintendent at Paterson, N. J., seems to be another case of the removal of a good man to make room for a man with "a pull." There was no pretense at assigning a cause and no attempt to show any fault on his part. Mr. Buscek is said to be a bright young man, well educated and well posted in park work, and even in the midst of a heated discussion over his retirement, no word was said against him.

Our Chicago readers will at once recall, in this connection, the case of Mr. Pettigrew, whose removal was brought about in the same way, in defiance of the protests of the best citizens of the city and of every newspaper of any prominence. Recent political changes have been signalized by more removals in the north and west side parks. No one so eminent in his profession as Mr. Pettigrew was removed in the latest changes, to be sure, but simply because there were none such to remove. Chicago has been equally disgraced, however, in both cases, for the later removals have been wholesale in number and in many cases the only qualifications which seem to have been required of the new appointees has been the ability to sign their salary vouchers and to do "cultural" work at the primaries and ward meetings.

Comment is useless. It is a rotten state of affairs and we can only hope Mr. Buscek may succeed in finding a locality where something besides political "pull" is of value.

Herbaceous Plant Notes.

Mention was recently made in these columns of some extra fine Primula officinalis, which had been brought on under glass with cool treatment. The stems were remarkably stout and long, the flower heads very large and full. They sold readily in the market as cut flowers and I believe Mr. Arnold, the successful grower, is preparing for another supply this year again, but they will not be in flower for several months yet, because Mr. Arnold for some reason seems to prefer to grow them in frames without artificial heat; if he had them in a cool, light and airy house, there would be no trouble to flower them at any time from February until spring, providing, however, that the plants had previously been subjected to a hard frost and were perfectly at rest when taken into the house.

Most all of the hardy primulas respond readily to a gentle forcing and the one I would especially recommend for that purpose is P. cortusoides, though we may not be able to have it quite so early as the first mentioned, for it is naturally a later bloomer, but their delightful soft shades in blush, pink and rose are certainly most charming, and the flowers, I believe, would sell even more freely than those of the yellow P. officinalis. In former days, I used to put up some plants of this distinct, and without doubt, most beautiful species in late fall, set them in a cold frame to give them a rest for a month or six weeks before taking them to a violet house or other cool place, and at other times I would dig up the clumps as they grow in the bed outdoors late in November, and plant them undivided in the violet bed under glass, either may well insure a good crop of flowers without much extra labor, and perhaps less care than the violets would demand. In later years we have only occasionally potted a few plants for winter or spring blooming, stock having always been rather limited with us, and there never was any too much room to spare under glass, yet I think honestly, that a bench planted with these primulas would in most cases bring in

more money than the same space occupied by violets.

We have again this year a few of these plants in a corner of a carnation house, they are now only showing above ground, but will soon grow freely, and we expect to cut quite a lot of flower stems from them before March. Primula cortusoides, of which P. c. Sieboldii is only a variety, has rather large cordate and somewhat wrinkled foliage, the edges of the leaves are irregularly and deeply serrated. The flower stems are straight and erect, standing well above the foliage and are crowned with large umbels of lighter or deeper rose-colored flowers, the back of the petals is very often shaded much darker than the inner surface and the individual florets vary in size from 1 to 1½ inches across. When grown under glass the stems are usually from 10 to 12 inches long, but outdoors their height is 2 or 3 inches less; the stems are stiff enough to carry the weight of the dozen or more open florets and have remarkable keeping qualities, on the plants as well as in a cut state, superior in fact to P. officinalis, for the undeveloped flowers in the center of the umbel will open out in succession after being cut and inserted in water. The root stock is creeping, new crowns are formed annually under ground, but near the surface; outdoors they are rather late to start into growth, but when the young foliage appears once, we may look for the flower buds shortly after.

We have no miffy or fastidious plant here to deal with, extremely hardy as it is, it will endure our severest winters without the slightest injury, no protection against frost is needed. I have never seen a plant winter killed, but of course, they, like other plants, have their preferences as to soil and exposure. In a light and open soil, not too dry, they make a fine growth, in stiffer ground the roots are not so numerous and the leaves are shorter; in all cases a slight shading, either natural or artificial is of great benefit during midsummer. Divided into single crowns early in spring, good strong plants can be grown in a single season; they do not occupy much space and may be planted rather close in a bed, but far enough apart to admit of convenient hoeing and cleaning between the plants. Mulching with lawn clippings or other short light material on the approach of hot and dry weather will assist in retaining the much needed moisture in the soil; and an occasional liberal dose of liquid manure is very beneficial; they rather like this feeding, but rank or undecomposed manure of any kind in the ground has a detrimental effect on their welfare, and should be avoided. If the surface of the ground is kept loose and open, we may expect each plant to form from three to six new crowns during the summer; everyone of these will produce at the least calculation three flower stems and sometimes twice as many. This would give us an average of at least a dozen stems to every plant, and very likely more money could be demanded for this product than for that of a clump of violets, occupying about the same amount of space on the bench; there would also be a saving of two or three months' time in fall or spring, when the bench might come handy for other purposes.

J. B. KELLER.

American Carnation Society.

CONVENTION ARRANGEMENTS.

Arrangements have been made to hold the convention February 17 and 18, at Chicago, at the Auditorium hotel; both exhibition hall and rooms for meetings will be in the hotel. A special rate of $3.00 per day, American plan, has been secured by the committee, and rooms can be had in the Auditorium Annex on the European plan by those who wish. Mr. P. J. Hauswirth, 318 Wabash ave., chairman of the local committee, will see that rooms are reserved for those who request him to do so. Mr. J. T. Anthony, 318 Wabash Av., has been appointed Superintendent of the Exhibition, and to him should be addressed all inquiries from intending exhibitors.

form of the flowers is all that can be desired and it is claimed to be remarkably free in bloom, the cut flowers keeping and developing well. The rose is being introduced by the American Rose Co. and by H. Weber & Sons, Oakland, Md. H. Weber & Sons were awarded a cultural certificate for this rose at the American Institute Exhibition in New York last week.

Introducing a New Rose.

S. L. H., Ohio, has a promising yellow sport from Pres. Carnot and wishes to know how to introduce it.



THE NEW ROSE—MRS. ROBERT GARRETT.

New Rose—Mrs. Robert Garrett.

The subject of our illustration is the new rose Mrs. Robert Garrett. The American Rose Co., Washington, D. C., say that this is one of the few hybrid teas which do not go to sleep in winter but that it remains in active growth through the season. The color of the flowers in a properly grown specimen is an exquisite shade of pink. It is said to be superior in color to Madame Caroline Testout (this is high praise indeed). The

We judge that it has only lately sported and that S. L. H. can not as yet have had a chance to test its stability or value. Of course the first thing is to propagate it, using the utmost care in every detail. This had best be done by single eye cuttings.

The resulting plants must be given the best of treatment to secure a rapid vigorous and healthy growth. They must not be touched with the knife, however tempting the chance to make cuttings

from the young plants may be. Such a course will inevitably weaken the rose and destroy its constitution, and the past history of the trade is full of instances of this kind of folly. If the rose proves to have merit S. L. H. will lose nothing by making haste slowly. It will sell whenever he offers the stock, while if it proves of small value or reverts to the original type, as such things often will, it is far better for his reputation and ultimate profit that this happen while still in his hands.

When the plants have reached proper size and strength they may be allowed to bloom sparingly. The habit of the plant and the style and quality of bloom should be studied carefully with a view to learning its defects, its good qualities will probably be all too evident to him. We are all too prone to think our own crows are a little blacker than any other.

If no serious defects become evident and it seems to remain fixed, propagation can be proceeded with, but in no case must anything but good strong wood be used and no plant must be cut back sufficiently to give it serious check. Grafting on strong growing varieties will probably be the quickest way, with results as good as by cuttings, if the propagator is familiar with this method, if not, propagation by cuttings will be advisable. The best position in the best house will of course be given, with plenty of room for light and air, but undue forcing or high temperature, in order to obtain rapid growth is not to be thought of. When a sufficient number of strong plants for propagating has been obtained a number can be prepared and benched for bloom, and after they flower S. L. H., if he has watched with careful eye and unprejudiced mind, will have an accurate idea as to whether his production has sufficient merit to warrant his staking his reputation on disseminating it.

The methods to be used in introducing a new plant are many, and a whole volume could be written upon the subject. One thing is conceded by everyone, however, that is, that liberal advertising in the trade papers is absolutely essential.

We shall endeavor at a later date to give S. L. H. and others of our readers the benefits of the experience of some of the gentlemen who have been eminently successful in this line.

Annual Meeting of the State Florists' Association of Indiana.

The annual meeting of the State Florists' Association of Indiana was held today at the agricultural room of the State House with thirty-five members present. The most important issue before the meeting was the chrysanthemum show. President Stuart, in his opening speech, urged the association to try everything possible to hold another show this year. He attributes the financial failure of the last show to the general business depression prevailing at that time, and not to the lack of interest by the people.

After a lively discussion, a committee was appointed to make further investigation, and report at the July meeting, which will be held at Richmond.

The election of officers was disposed of in short order: President, J. D. Carmody; vice president, J. Bertermann; secretary, R. A. McKeand; ass't secretary, Fred Huckreide; treasurer, G. T. Huntington; executive committee, Fred Dorner, H. W Rieman, W. Bertermann, E. G. Hill and A. Parker.

A vote of thanks was extended to the outgoing officers and our new president made one of his grand speeches that will be long remembered by the florists.

In connection with the meeting, a flower and plant show was held which, although small, contained some very fine exhibits. Certificates of merits were awarded as follows: Carnation, best white, Evelina, R. Witterstaeter, Sedamsville, O.; red, Jubilee, South Park Floral Co., Newcastle, Ind.; pink, Albertini, South Park Floral Co., Newcastle, Ind.; yellow, Seedling, Fred Dorner, Lafayette, Ind.; variegated, Helen Keller, South Park Floral Co. Violets, South Park Floral Co. White roses, Bride, South Park Floral Co.; pink roses, Bridesmaid, South Park Floral Co.; red roses, Meteor, H. W. Rieman, Indianapolis. For best display of pot plants, the Bertermann Floral Co.; for primroses E. Huckreide & Son, and for azaleas, H. W. Rieman.

The meeting adjourned at 9 p. m. for the banquet, where your correspondent is going to join the boys, after mailing this letter, and if he is not able to mail a supplementary letter before 11:45 p. m., you may safely conclude that the banquet was a grand success. [We failed to receive the supplementary letter.—Ed.] J.

Tropaeolum Vesuvius.

This little gem was raised about nineteen years ago by Mr. Potter, gardener at Seacliffe House, Haddingtonshire, Scotland, and introduced to the public by Downie, Laird & Laing, of Edinburgh. It is surprising that it is not abundantly grown in this country, as it is a splendid bedder. Being very dwarf it is especially



TROPÆOLUM VESUVIUS.

useful for edging purposes. The plant is but six inches in height, foliage small, the bright scarlet flowers standing well above the foliage. It likes a warm and dry situation. It seeds but sparingly and must be propagated from cuttings. It will be given a good trial at Newport the coming summer by Robert Laurie. The plant shown in the photograph was in a thumb pot.

New York.

UNSATISFACTORY WHOLESALE MARKET.—VIOLETS LOWER.—PLANTS EXCELLENT IN QUALITY.—AMERICAN INSTITUTE SHOW.—LOCAL ITEMS.

Business in the wholesale cut flower market is far from satisfactory, and complaints regarding present conditions and prospects are general. Yes, this is the same old story, and it is getting just a trifle monotonous but it's a fact, for all that, and will doubtless continue to be a fact, indefinitely, and the correspondent must maintain his reputation for truthfulness, so "what are you going to do about it?" Only a man with very limited perception expects to find it otherwise, for so long as one thousand roses are supplied and only one hundred wanted or one thousand roses wanted and only one hundred supplied there is bound to be trouble. Carnations, the same and violets, ditto. So far as violets are concerned all indications point to lower returns from their sale, regularly hereafter, as the number of growers raising them successfully has multiplied and the receipts are enormous. Violets have had the credit of being a very remunerative crop for this market in past seasons and the effect of this belief has been a big increase in the area of glass devoted to their culture.

At no time in the past have flowering plants of such uniformly high grade been offered in this market as are seen in the flower stores this season. There is nothing rare or novel in the selection, which comprises azaleas, cyclamens, primulas, ericas of several species and other old favorites, but the average quality is exceedingly creditable to the growers who make flowering plants their specialty. The most reasonable argument ever offered for tissue and ribbon decoration—its usefulness in covering bare stems and other blemishes in specimen plants, never applied with less force than this year.

At the American Institute meeting on January 12th certificates were awarded to J. H. Dunlop for Lady Dorothea, a sport from Sunset rose, J. N. May for rose Clara Watson, American Rose Co. for rose Mme. Chatenay, and C. H. Allen for Allen's Defiance mignonette. C. L. Allen delivered an interesting lecture on "Intensive Farming."

W. F. Sheridan is receiving from F. W. Miles, of Plainfield, blooms of an enormous white carnation, a seedling which he has named Monarch. It heads the list on fancy prices.

On January 20th L. C. Nash starts for Florida where he expects to spend about two weeks luxuriating in green peas, strawberries and similar delicacies.

At MacDonald & McManus' are to be seen some of the finest Cattleya Trianaes in size, color and form that have ever been offered in this market.

Philadelphia.

GOOD STOCK SCARCE.—EASTER LILIES.—LADIES' RECEPTION ON WASHINGTON'S BIRTHDAY.

There has been a protracted spell of bad weather in this neighborhood recently.

Good flowers are scarce, it takes a man who has an order for fine Beauties for instance, to be very alert or else he will have to add an apology with the other fixings in order to satisfy his customer. The price is a shade lower, $7 per dozen instead of $8 being now asked for the specials. A good medium flower with stem eighteen to twenty-four inches is sold for $2.50 to $4 per dozen, this is the most popular size, and there are probably twelve dozen of these sold to one of the specials. High grade teas sell from $8 to $10; a few specials bringing $12 to $15, these are also scarce, and many that should be in the second-class masquerade in the first.

Carnations are fair, some good, many bad. Look out for the new kinds; they

get such high culture, and such elegant accomodations at home that when they come to be thrown on the world they can't stand the strain, and soon bow their heads, close their sleepy countenances and are no more. In other words the grower leaves them on the plants to sustain their reputation as to quantity, and then when they have served that purpose, they are sent to market and their fine size attracts buyers, who as a rule are disappointed, as such flowers almost invariably go to sleep the next day. Most all carnations are left on a little too long, at least half the stock that comes in should have been picked a day sooner. A trifle smaller flower that will keep a day longer is the best for the retail florist in the end. The $1.50 carnation is now getting quite common and the $2 kind have to be pretty fine. Violets appear to be plentiful, and are a shade lower, $1.25 being now high.

We see our friend L. says that the retail florist does not appreciate a good thing when it first bursts into view, that $2.50 per dozen at Christmas for Beauties was all they would pay the first year or so, and big and little were counted, everything went. Well that was many moons ago, business was good in those days, ranges of glass were going up everywhere. The growers as a rule sold without difficulty their entire stock of flowers, there was no grading. Considering everything, demand, size of Beauties in those days, we question whether roses of the same quality would bring any more in these times, and we have wintered and summered it and know all about it. Yes, Mr. L., the retailer does know a good thing when he sees it, and he often pays a good big figure for what is said to be a good thing, but isn't.

Easter lilies are now bothering the growers for as they develop so also does the disease, and many, very many, have to be thrown out. W. K. Harris has dumped about one-third of his stock which is a great percentage unless the balance of his stock is fine, very fine. A table of Japanese longiflorum is looking very well, there being but little disease among them.

R. Craig has gone to Atlantic City for a week to recuperate.

The ladies' reception at the Florists' Club rooms is to be held on Washington's birthday. This is to be a gala occasion and it is to be hoped that all of the old bachelors will be present and show that in spite of their lonely state they are not without hope. K.

The Blue Marguerite.

The common marguerite with its white, daisy-like flowers and silvery leaves, is familiar everywhere. A closely related plant has yellow blooms and is useful in much the same way as the white one, although not near so common or so popular. But the blue marguerite, otherwise known as Agathæa cœlestis, is very seldom cultivated in this country, and yet it is a very beautiful plant and useful in producing flowers during the winter months. The accompanying illustration shows the plant at its best as a winter bloomer. The leaves are deep green in color, the flowers of a lovely sky-blue tint with yellow disk—the former a rare and precious color in our greenhouses.

A. cœlestis is easily grown. Cuttings of the half-ripened wood root freely in heat during the spring months, and their subsequent treatment may be pretty much the same as that given chrysanthemums grown in the open and potted in autumn. The plant, however, requires a trifle more heat than chrysanthemums during the late autumn and winter months. It is sometimes rather difficult to procure suitable material for cuttings on account of the free-flowering character of the plant, but this difficulty is easily removed by cutting back a few specimens to a moderate extent in January or February, thus causing a new growth from which cuttings may be selected in abundance later on. The blue marguerite has been used as a bedding plant in England with very favorable results, and it would be difficult to imagine a floral scene of greater attractiveness indoors or out than one composed of blue and white marguerites, judiciously blended with a view to obtain the most from the variety of color afforded by the flowers and foliage of both plants.



AGATHÆA CŒLESTIS.

Boston.

TRADE IMPROVING.—DAFFODILS IN.—POPULARITY OF LOOSELY-BUNCHED VIOLETS.—SILVER MEDALS FOR NEW CATTLEYAS.—A FINE SHOW AT OAKES AMES'.—BAYERSDORFER HITS IT ON VASES.—LOCAL ITEMS.

A slight improvement in business is noted, and a steady movement seems to have set in, relieving the stagnation that has prevailed ever since the holidays. Whether it indicates a permanent revival remains to be seen but it is gratifying to be able to say that things look brighter all along the line. Carnations, which moved slowly, are going a little better, roses and violets also, although in the case of violets their abundance has brought the price down lower than is customary in midwinter. There are a good many daffodils and jonquils coming in now, the Von Sion being the most welcome, but rather undersized so far. Warren Ewell, who is the mainstay for this market in these bulbous flowers has begun to make his regular daily trips and has now pans of daffodils and tulips in pretty good shape, the tulips comprising a number of bright varieties that in previous seasons have not been offered until a considerably later date. There is a general disposition in this market to break away from the time-honored method of bunching violets in flat-headed formal bunches and many customers will accept them only tied very loosely, with the individual blooms at varying heights and the foliage mixed among, instead of arranged around, the flowers. Doyle is receiving a great many Lady Campbells of very fine quality bunched in this way, and finds that buyers prefer them.

On Saturday last, cattleyas were shown at Horticultural Hall by several exhibitors, silver medals being awarded to C. G. Roebling for an enormous bloom of Cattleya Trianæ Clinkaberryana and to Oakes Ames for C. Trianæ Lilian Ames, a new variety that turned up among a lot of recently imported plants, a superb white bloom, marked only with soft crimson and some yellow veins in the throat. From J. E. Rothwell came Cypripediums Leeanum, var. Masareehanum, Bellona and Ceres and James Comley showed a quantity of his seedling Acacia grandis. A very entertaining lecture with stereopticon illustrations on the bulb farms of Holland was given by J. K. M. L. Farquhar.

A visit was made recently to the greenhouses of Oakes Ames at North Easton, where Carl Bloomberg is gardener, by a party of the local enthusiasts and they were surprised to find the great improve-

ment that has taken place there within the past year. Many handsome Cattleya Trianæ are in flower and in the big aquatic tank which occupies most of one house many nymphæas are already blooming.

Newman & Sons have introduced a quantity of Bayersdorfer's tall willow vases for use in their store and windows, and find them exceedingly serviceable as well as attractive. The vases are of graceful design, silvered, with a tin lining to contain water.

W. H. Elliott has been appointed assignee for the late concern of Doogue & Co. Mr. Elliott is just recovering from a severe case of appendicitis.

M. J. Aylward will vacate the Wales place at Dorchester on July 1, and locate at Stoneham where he has bought land for greenhouse purposes.

Hector, the well-known canine companion of D. L. Taylor for many years, has followed Mr. Doyle's pet cats to the other shore.

Mr. Wm. Nicholson, Framingham wishes to communicate with anyone in the New England States who intends going to the carnation meeting at Chicago.

Visiting Boston: M. Rice, Philadelphia; H. Dreyer, New York.

Cut Flower Price Lists Received.

We are in receipt of cut-flower price lists from the following firms: Wm. F. Kasting, Buffalo, N. Y.; Kennicott Bros. Co., Chicago; E. C. Amling, Chicago; W. A. McFadden, Cincinnati; Holton & Hunkel Co., Milwaukee; C. A. Kuehn, St. Louis, Chas. G. Fleckenstein, St. Louis.

RYE, N. H.—W. Wallmark, who has done business for the past seven years on the South road, has disposed of his interest in the establishment to Messrs. Robert Frazer and James Manual, and will discontinue business here.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1898 will receive on request, a coupon for one five line want "adv." free, to be used at any time during the year.

SITUATION WANTED—In east by florist, seven years' experience, single, 26; good references. Address I H A, Shippensburg, Pa.

SITUATION WANTED—By florist to take charge of greenhouses, best of references.
JOHN THOMPSON, 22 Courtland St., Norwalk, Ohio.

SITUATION WANTED—By a competent store man, late with Freidman; reference given by Chicago wholesale florists. R A, care AM. FLORIST

SITUATION WANTED—By an A No. 1 manager of wholesale or retail store; twelve years' experience in prominent cities. Correspondence solicited G, care American Florist.

SITUATION WANTED—A competent seedsman wants situation with a reliable seed house; can speak Dutch, German or English; correspondence solicited. H, care American Florist.

SITUATION WANTED—By an experienced gardener and florist, to take charge of private or commercial place; age 38, married. Best of references.
CHICAGO care American Florist.

SITUATION WANTED—By young man as assistant for general greenhouse work; several years' experience; single, sober and reliable Address LAWRENCE, care American Florist.

SITUATION WANTED—By a practical, sober and trustworthy man, single, middle aged and American; private or commercial. Best references Address DUTCHESS, care American Florist.

SITUATION WANTED—By an experienced grower of roses, carnations, 'mums, etc., to take charge of commercial place; age 27, single; strictly temperate; steady position. Address B, care American Florist.

SITUATION WANTED—By married man; practical all-round florist and gardener; capable of taking charge; 25 years' experience in Europe and America; good references. Address A B, care American Florist.

SITUATION WANTED—By a first-class decorator; 15 years experience in Philadelphia, ten years with Hugh Graham & Son, five years with John Dick, Sr. HARRY C. MOORE
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SITUATION WANTED—By practical florist of 17 years' experience, good cut flower grower, roses, carnations, etc. Competent to take charge; would work on shares. Reference and bond given. Address RELIABLE, care American Florist.

SITUATION WANTED—By a practical florist and designer; No. 1 rose grower; violets, 'mums, carnations a specialty. Now disengaged. Age 38; best references. Address W H, care 164 E. Main St., Alliance, O.

SITUATION WANTED—By practical florist and plantsman of experience and executive ability in all the requisites of commercial places; general propagation, landscape and outdoor operations. For more particulars address PRACTICAL, care Am. Florist.

SITUATION WANTED—By first class grower of cut flowers and blooming pot plants, also working foreman; German, single, age 35, 20 years' experience and best references Address C H, P. O. Box 693, New Rochelle, W. Chester Co., N. Y.

SITUATION WANTED—As foreman with some retired party by a practical grower of roses, carnations, violets, 'mums, palms, ferns and general stock, forcing of bulbs; a life experience; references O K, Address FOREMAN, care American Florist.

SITUATION WANTED—By a first-class grower of cut flowers and general greenhouse plants, as working foreman, 15 years' experience, single, age 29. Best references given; states preferred; will be at liberty February 1 Address ROSE GROWER, P. O. Box 693, New Rochelle, N. Y.

SITUATION WANTED—As foreman in cut flower establishment, mostly roses and carnations; must be up to date in conveedences; by all-round man, single, American, nine years' experience; don't use tobacco or drink; west preferred; good wages expected. References ROSES
2840 Cottage Grove Ave., Des Moines, Ia.

SITUATION WANTED—By an experienced all-round grower of roses, carnations, 'mums and general stock; good designer and decorator; capable of taking charge of a commercial place, good worker, sober and honest. German, 32 years of age. Good references; disengaged Feb. 1st Address F C R, Converse Greenhouses, Webster, Mass.

SITUATION WANTED—As foreman or manager in large commercial place by a first-class grower of roses, carnations, 'mums and general stock; life experience, married, age 36; has been foreman in large establishments for the past ten years; only reliable parties who wish a first-class man need answer; best of references Address ROSE GROWER, care American Florist.

SITUATION WANTED—As foreman in a good modern commercial place, by a first-class grower of roses, carnations, 'mums and general stock; 12 years' experience, single, 28 years old, American; has been foreman in two commercial places, handled them successfully; respectful, sober and industrious; capable of handling a big trade. Only reliable parties who wish a first-class man need apply. Address AMERICA, care American Florist.

SITUATION WANTED—As working foreman by a Scandinavian florist; 30 years' practical experience in trade and business; five years in America (east) with present employer; growing high grade plants and cut flowers of the leading varieties for market. References, single; can take position the first of February or March. Place in or near large city in the middle states and which can be leased when season is over preferred. Give particulars. J. ALM, P. O Box 131, West Orange, N. J.

WANTED—A good reliable traveling salesman for the florists' supply line. Address G M, care American Florist.

WANTED—The address of Carl Jorgensen, Dane, Amaker. Address L. JENSEN, South Butte, Mont.

WANTED AT ONCE—A good man for palms, ferns and orchids. Send references. H. F. HALLE 548 W. Madison St., Chicago.

WANTED—First class rose grower; one capable of taking charge one familia with growing catalogue stock preferred; state wages expected. Address A B, care American Florist.

WANTED—A reliable, industrious German, single, for growing general greenhouse and bedding stock, except roses and carnations; wages $20 with board and room. Address at once WM. ROETHKE, Saginaw, W. S., Mich.

WANTED—A steady and industrious man who thoroughly understands raising all sorts hothouse supplies and good designer; wages $20 per month and board with increase of wages to a good man. W H. WRIGHT, 204 First East St., Vicksburg, Miss.

WANTED—A competent man for cut flower department and making up floral designs and bou quiet work; also one that understands decorating and general greenhouse work. Apply CHARLESTON GREENHOUSES, 360 Meeting St., Charleston, S. C.

WANTED—At once, an A1 grower of roses and carnations, American; must have the best of recommendations; young man preferred and single; also a second man who understands growing and who would not object to working in store a few hours each day and attending to small palm house, one who can make designs and do decorations. Address AMERICAN, care American Florist.

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FOR SALE—Greenhouse plant of 5,000 feet of glass in Jamestown, N. D; price $1,500; ½ cash, balance may be paid in cut flowers. Address W. W. SEEKINS, 921 E 3rd St., Duluth, Minn.

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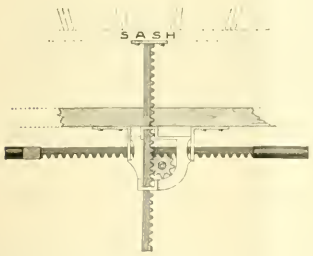
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A New Ventilating Device.

The drawing herewith presented represents a new apparatus for greenhouse ventilating, patented by E. N. Pierce & Sons, of Waverly, Mass. Mr. Pierce, in describing the device, says: "We have endeavored to produce an apparatus that would not be liable to get out of order; hence, in its construction we use no set screws or bolts. We have also tried to overcome what seemed to us a serious defect often encountered on account of the sash not all starting at the same time or opening exactly the same distance. We think we have accomplished this by using two racks running on one wheel and pinion; one horizontal, the other vertical. The horizontal racks are connected together and one end of the vertical rack attached to the sash. It is operated by a direct pull from one end, causing every pinion wheel to revolve at the same time and carrying up every ventilating sash the exact distance which the horizontal has moved—be it one-half inch or two feet. For power we use a worm, but hydraulic pressure, bevel gear or sprocket wheel could be used. We are unused to technical terms and may fail to make ourselves understood, but the device seems to work all right, nevertheless."

Horticulture in Holland.

[*Abstract of a lecture by John K. M. L. Farquhar before the Massachusetts Horticultural Society.*]

Holland presents to the horticulturist many interesting features of her own. For two hundred years years she has supplied the nations of northern latitudes with bulbs from which to raise flowers to brighten their conservatories in winter and their gardens in spring, and she has established a constantly increasing business, the monopoly of which seems assured to her for ages to come. Her exports of bulbs and nursery stock now aggregate five million dollars annually.

Such elaborate flower stores as we have in Boston are not found in Holland. As we pass through Rotterdam or Amsterdam we see a flower market where a few men and women do the business, the flowers being chiefly of the more ordinary kinds, brought there in the morning and sold at low prices, and by noon the business is over. Dutch horticulturists devote most of their energy to supplying the wants of other nations, their home trade —especially in cut flowers—being exceedingly small.

In Holland we find no such gigantic greenhouses as may be seen on large estates in England, such as Chatsworth or Sion House, hardy trees, shrubs, vines and herbaceous plants being more generally depended on for landscape decoration. This policy we find successfully exemplified in Boston's new parks. Many of the residential streets and even the narrow business streets of Rotterdam have valuable space devoted to trees—more, I think, than our citizens would be willing to allot under similar conditions.

Haarlem is the largest city of North Holland, and the trade center of the bulb-growing district. If we proceed by steam train from Haarlem by way of Vogelenzang we pass through extensive bulb fields, towards the Lake of Haarlem. There is, however, no Lake of Haarlem now; only a great canal, surrounded by seventy square miles of lowland that fifty years ago was lake. Here on the western side of the canal we find the finest hyacinth ground in Holland. The soil is of various kinds—peat, clay and sand; the last being what is chosen for hyacinth culture. It is prepared by giving it a heavy application of cow manure, which is brought to the fields in boats from Leyden, Amsterdam or Rotterdam.

Hyacinths, narcissuses and tulips are set in trenches six inches deep; crocuses, scillas and snowdrops in trenches three inches deep. Before the cold sets in all the planted fields are thickly covered with reeds, which grow along the edges of the canals, and are cultivated in the north of Holland for this purpose. Great care is taken to prevent frost from reaching the bulbs, for as they are planted early in autumn they soon make long roots, and frost reaching the bulbs would raise them up and detach them from their roots. Spring flowering bulbous plants are rapid growers, requiring a large supply of nourishment, and unless their roots are well developed in advance of the top and kept in good condition, they will be unable to furnish the needed food, and failure, or partial failure, will result.

Large growers are prepared to furnish from four to five hundred sorts of hyacinths. Now, we prefer the single varieties, and the list of sorts is not as long as formerly. The propagation of hyacinths is by offsets, which form at the base of the bulbs. The largest bulbs are cut across the base several times or hollowed out, to increase the number of offsets which are formed. More of the single pink variety, Norma is grown than any other. One grower's trade requires 80,000 of them annually, the product of about two acres.

The average grower must cultivate in all about four hundred and fifty varieties of tulips. Of these about four hundred are varieties of the ordinary garden species. Tulipa Gesneriana, which was introduced to Western Europe from Turkey in 1554. Tulips are propagated by offsets, each root producing two, or sometimes three, salable bulbs, and perhaps one or two of smaller size, which require another season's growth before they are fit for market. They are also easily raised from seeds, the seedlings coming at first self-colored; while they remain so they are known as breeders. These have been made very popular recently under the name of Darwin. After a few years of cultivation they break away from their original color. If a white tulip comes striped or marked with another color, it is called a Byblœmen. Of this class the rose or red-tinted Byblœmens known as "roses" are perhaps the most desirable. A tulip having a yellow ground marked with another color is called bizarre.

In the early part of this century tulips having variegated flowers were most esteemed. To-day such self-colors as Gold Prince, the beautiful rose-carmine Proserpine, Vermilion Brilliant and the white, yellow and scarlet Pottebakkers are most esteemed. There are, of course, exceptions; the most conspicuous is the noble Keizerskroon, crimson with a wide edge of yellow. The tulip has become with us the most popular of the spring flowering bulbs. We use from a million and a half to two millions here in New England annually.

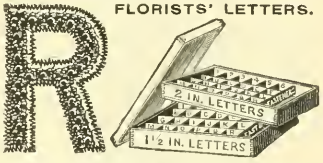
Daffodils are now receiving more attention from hybridizing than any other class of bulbs. Although the largest and finest bulbs come from Holland, they are extensively grown in England, Ireland, the Island of Guernsey and France. Japanese lilies are seldom grown in Holland; the Dutch dealers find it cheaper to import them from Japan.

The bulbs are lifted by hand, as spades or forks might injure them. They are carefully laid in baskets and conveyed by boat to the warehouses, where they are carefully dried and counted out into bags. When needed for shipment, buckwheat chaff is put in to prevent bruising. The value of bulbs exported annually from Holland aggregates three million dollars, the United States taking about $300,000 worth.

On the southerly side of the Lake of Haarlem are the nurseries of Boskoop. We see in these nurseries many plants which are not hardy enough to survive our winters, for many of which there is a large demand from England.

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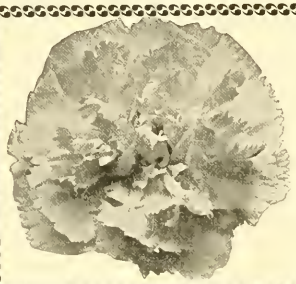
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" Morgan, Cusin	2.00@ 5.00
Carnations	.75@ 1.50
" fancy	2.00@ 4.00
Valley	2.00@ 4.00
Hyacinths, Narcissus	.75@ 1.50
Mignonette	2.00@ 6.00
Violets	.35@ .75
Harrisii	8.00@10.00
Smilax	6.00@ 8.00
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Roses Beauties	8.00@50.00
" Perle, Niphetos	2.00@ 4.00
" Bride, Bridesmaid, Morgans	4.00@ 8.00
" Carnot Meteor	6.00@12.00
Carnations, ordinary	1.00@ 2.00
" fancy	2.00@ 3.00
Valley, Daffodils	3.00@ 4.00
Violets	.35@ .75
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" " select	15.00
Carnations	1.00@ 2.00
Valley	3.00@ 4.00
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Address THE AMERICAN FLORIST CO., Chicago.

IF SUBSCRIBER asking about greenhouse plans will send his name and address, we will answer his inquiry.

R. K. J.—Dianthus Caryophyllus is the botanical name of the carnations cultivated under glass in England and in this country.

WE have received the schedule of premiums offered by the Worcester County Horticultural Society for the year 1898. Secretary Adin A. Hixon, 18 Front street, Worcester Mass.

SOME GOOD VIOLETS.—We are in receipt from Loeffler Bros., Watertown, Wis., a bunch of Marie Louise violets which in size, color, fragrance and stem are exceedingly fine—in fact about as near perfection as we remember to have seen them.

CARNATION KATHLEEN PANTLIND.—We have received a bunch of this new pink carnation from Hopp & Lemke, East Grand Rapids, Mich. The color is an exquisite shade of pink, similar to Albertini. The flowers are of good size on long stiff stems, calyx extra good. It is a very attractive flower and is said to be from Daybreak x Scott. This is good blood.

ALBA SUPERBA CARNATION.—Mr. John Burton, of Philadelphia sends to this office a box of this new white carnation. In stem, calyx, form, color and fragrance it is all that can be asked. We understand that the variety is exceedingly free and continuous in bloom. In general style it resembles Daybreak very much, but apparently greatly surpasses it in strength and vigor. It looks as though Mr. Burton has something in Alba Superba which will fill a long felt want.

Greenhouse Building.

Freeport, N. Y.—Chas. Lenker, two commercial houses, one 25x200, one 14x300.

Lyndell, Pa.—Wm. Marshall, one greenhouse.

Williamstown, Mass.—J. A. Torrey, one commercial house.

Albany, N. Y.

A careful estimate places the Christmas trade here at one-third larger amount than that of last year. On cut flowers prices averaged higher than last year but they sold well, and this is true also of plants, both foliage and flowering, the demand for the latter, azaleas especially, exceeding the supply. Holly and Christmas greens enjoyed a bigger sale than ever before.

Mr. Thomas Davidson, who has conducted a florist business in Albany for the past forty years, is dead. Mr. Davidson was a successful business man, made many warm friends, and was prominent in local republican politics.

Wholesale Flower Markets

CINCINNATI, Jan. 20.

Roses, Beauty select	40.00@50.00
" medium	20.00@30.00
" Brides	4.00@ 6.00
" Bridesmaids	4.00@ 6.00
" Meteors	5.00@ 7.00
" Perles	3.00@ 4.00
Carnations	1.50@ 2.00
" fancy	3.00@ 4.00
Valley	3.00@ 4.00
Romans	2.00@ 3.00
Narcissus	3.00
Violets	1.00
Harrisii	10.00
Callas	8.00
Smilax	10.00@12.50
Adiantum	1.00
Asparagus	50.00

ST. LOUIS, Jan. 20.

Roses, Beauties	10.00@50.00
" Meteors	6.00@12.00
" Brides, Bridesmaids	4.00@ 8.00
" Perles	3.00@ 6.00
" Wootton	2.00@ 4.00
" La France	4.00@ 8.00
" Kaiserine	4.00@ 8.00
" Carnot	6.00@15.00
Carnations	2.00@ 3.00
Violets, California	.50@ 1.00
" single	.40
Harrisii	10.00@15.00
Callas	10.00@15.00
Narcissus, Romans	2.00@ 3.00
Smilax	10.00@15.00
Stevia	.75@ 1.00

BUFFALO, Jan. 20.

Roses, Beauties	10.00@50.00
" Brides, Bridesmaids, Meteors	5.00@10.00
" Perles	4.00@ 6.00
" Niphetos	4.00@ 5.00
" Kaiserin, Mermets	6.00@10.00
Carnations extra	2.00@ 3.00
" ordinary	1.00@ 2.00
Valley	4.00
Violets	1.00@ 2.00
Romans	2.00@ 4.00
Harrisii	15.00@20.00
Smilax	12.50@15.00
Adiantum	1.25@ 1.50

MILWAUKEE, Jan. 20.

Roses, Beauty, per dozen	1.00@4.00
" Brides, Bridesmaids	5.00@ 7.00
" Perles	4.00@ 6.00
" Meteors, Belles	5.00@ 8.00
Carnations	1.50@ 3.00
Violets	.75@ 1.00
Romans	2.00@ 3.00
Valley	3.00@ 4.00
Stevia	1.50
Freesias	3.00@ 4.00
Callas, Harrisii	12.50@15.00
Adiantum	1.00@ 1.25
Smilax	12.50@15.00

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ST. LOUIS, MO.
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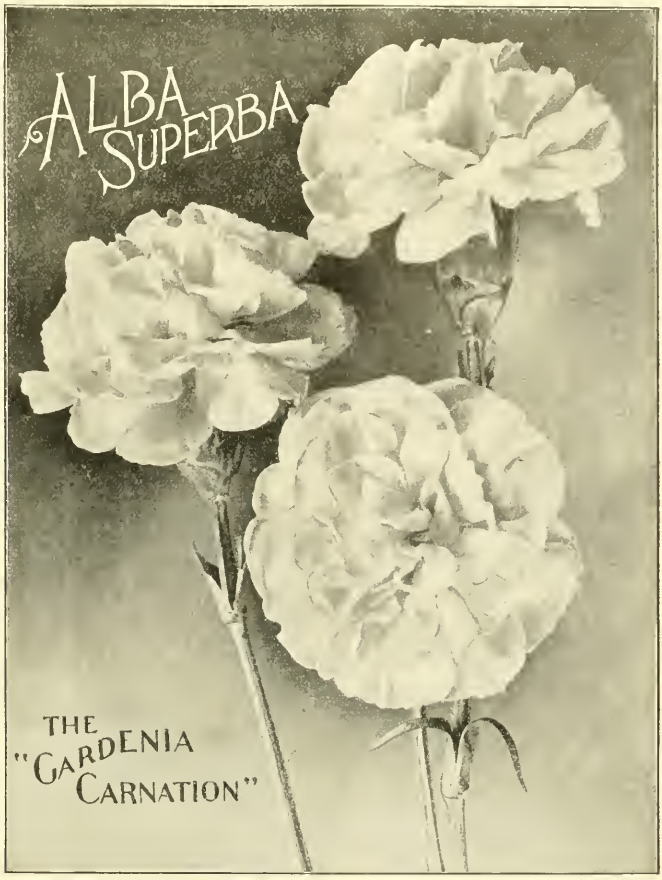
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457 Milwaukee St., MILWAUKEE.



Asparagus Plumosus Nanus.
Strings 8 to 10 feet long,
50 CENTS.
W. H. ELLIOTT, Brighton, Mass.

Look in the American Florist Later for Illustration Showing Length And... Strength of Stems

ELECTRO FREE TO CATALOGUE TRADE.



CARNATION "ALBA SUPERBA"

Originated on our place four years ago. We have grown it in the field all summer and transplanted to benches, and we have grown under glass all summer, and it does well in either case, the field-grown plants giving the best crops, but those kept under glass producing the finer flowers.

☞It is with the greatest confidence that I present the best claims of this new white Carnation to the trade. It is a beautiful clear white, and as may be seen in the illustration herewith presented, is almost perfect in form, closely resembling the Gardenia; indeed the petals being of such unusual size and substance, the pet name of "**The Gardenia Carnation**" is made very appropriate to this notably distinct flower.

☞The flowers are all of good size, measuring from 2 1-2 to 3 inches in diameter.

☞There may be varieties with a tendency to bloom more freely than this one does, but for a flower of this quality, I do not know of any. It has a stout, erect and very long stem; in fact the unusual length and strength of the stem, will, without doubt, render it, in that respect, the ideal Carnation for some time to come, as it too often happens that flowers of good size, color and form, but lacking in this very essential qualification, cannot be used to the best advantage.

☞Another of its grand good points is that I have never yet, under the treatment given it here, seen a burst calyx. It handles and keeps well, and does not "go to sleep" easily.

☞In habit it is robust and free-growing, being similar in that respect to Daybreak, every shoot throwing up a flower stem. It is a continuous bloomer and not a cropper. Plants will be ready March 1, 1898.

Price to the trade.
$10 per 100. $60 per 1.000

Address

John Burton

Chestnut Hill, PHILADELPHIA

Chicago.

The wholesale market has been quiet during the week. There has been a great falling off in the quantity of roses received, but as the demand has been light, only slightly better prices have been realized. Good roses of all kinds are scarce, but sufficient in quantity to fill the light orders received.

About the usual quantity of carnations are coming in, but on account of the shortage of roses they find a ready sale.

Violets are in greater supply and selling freely at slightly reduced prices. Supply and demand on the Harrisii lilies are about equal. Good tulips of many varieties are now in the market and bring good prices, although they are not sold in large quantities. They are principally used to decorate the windows of the retail stores.

Good valley is offered, but is not much called for. Romans and Paper Whites are neglected. Retailers report trade somewhat improved. Some complaint is made about the high price of Beauties, but there are not enough to supply the demand at the prices asked.

The subject for the next meeting of the Chicago Florist Club is "Pot Plants Suitable for the Market." Joseph Reeve will open the subject with a paper, and George Stollery will tell about the plants he saw grown for the market down east.

Alfred J. Brown, of Grand Rapids, was a visitor this week.

The committee on entertainment of the Carnation Society have been a little slow about coming to a decision as to the location of the exhibition, but it seems they had something worth while, up their sleeves. They have succeeded in getting suitable rooms in the Auditorium Hotel, so that both the exhibition and meetings will be under one roof and close together. There is no better hotel in the city than the Auditorium and Mr. Hauswirth, the chairman of the committee, has been fortunate in securing the rooms and the reduced rate of $3.00 per day. Rooms without meals can be had in the Auditorium Annex, adjoining the other hotel. Mr. J. T. Anthony, the superintendent, will make headquarters at 318 Wabash avenue. "J. T." knows all about the show business and if the exhibitors do their duty, he will make the exhibition a grand success.

Buffalo.

RAINS AND FLOODS.—BUFFALO FLORISTS VISIT CORFU.—NEW CARNATION GENESEE.

Business continues about as usual; that is, quiet. The only thing that has really boomed during the week is the Buffalo river and its daughters, the Cayuga and the Cazenovia. The rains came, the ice broke up, and lo! the flood. For a while it was doubtful if Messrs. Hewson, Buddenborg and other of our South Buffalo florists could continue to do business without the aid of boats, but as usual they kept their heads above water.

On Thursday the quiet little hamlet of Corfu was visited by a calamity almost as severe. A squad of Buffalo florists including Palmer, Long, Scott and our retired florist, Christianson, set out for the above place to visit Scott's establishment, and see just how the new carnation Genesee looks when it is well done. You can imagine that the poor carnation and several other things had a hard time to pass such an aggregation of talent, but they all agree that for a medium sized, good stemmed, free blooming white, Genesee is hard to beat. Other varieties looked very well indeed, and shows that the good country air which we hear so much about, tells. The Professor who was to have joined the above party was detained by the flood

It is plain to all that if we could give a verbatim report of the conversation which occurred on the trip it would be one of the most valuable commentaries on plants in general, and carnations in particular, that was ever presented to a confiding public.

Flowers seem to be plenty and good. Single violets are gaining favor here. C.

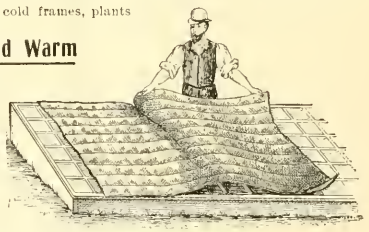
BROOKLYN, N. Y.—Mrs. M. Nopenny who has been conducting stores on Grand street and Ewen street, is missing and her relatives with the assistance of detectives are hunting for her.

Palmer's Hot Bed Mats

FROST PROOF

Made expressly for winter covering of hotbeds, cold frames, plants and seeds of all kinds.

Indestructible, Cheap and Warm



WILL not harbor mice or vermin. Easily handled. Dry out quickly after rain. Have now been in practical use three years. Cost less than old-fashioned straw mats and entirely take their place.

MADE IN FOLLOWING GRADES:

No. 1—**Burlap Cloth,** filled with combination wool and quilted, seams 3 inches apart and edges firmly bound.

Size 40x76 inches, 50 cents each.
" 76x76 " 75 " "

Made any length, 76 inches wide, at 12 cents per running foot.

No. 2—**Duck Cloth** outside, filled and quilted same as No. 1.

Size 40x76 inches, $0.75 each.
" 76x76 " 1.00 "

Made any length, 76 inches wide, at 16 cents per running foot.

No. 3—**Waterproof,** made of oil duck, filled and quilted same as Nos. 1 and 2.

Size 40x76 inches, $1.00 each.
" 76x76 " $1.25 to $1.50 each.

Made any length, 76 inches wide, at 20 cents per running foot.

That these mats are a **much needed improvement** over anything heretofore used for the same purpose, is demonstrated by the large demand and many testimonials from prominent men in the trade. Everyone using Hot Bed Mats should give them a trial.

PATENT APPLIED FOR.

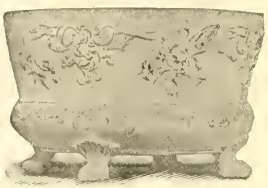
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FERNERIES AND JARDINIERES:

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OUR LEADING NOVELTY:

LACE VIOLET HANDKERCHIEFS.

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The largest and best stock in America.

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RED PRIMROSES, 3-inch pots, $4 00 per hundred.

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FALL CATALOGUE NOW READY.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

THE NEXT meeting of the American Seed Trade Association will be held at Old Point Comfort, Va.

NEW YORK.—Wm. Elliott & Sons having repainted their establishment throughout, interior white, exterior bewitching pale green, are being advised by their friends to give a grand "opening" in barn-warming style, commemorative of the event.

DISEASE OF JAPANESE LILY BULBS.—Referring to certain statements which have been made regarding the disease of the Japanese lily bulbs, Messrs. H. H. Berger & Company advise us that Lilium Harrisii bulbs have been exported from Bermuda to Japan, where attempts are being made to propagate and grow the same, and the first importation from this stock was made the past season. In this way the Bermuda disease might become disseminated through the Japanese stock, but this remains to be seen.

California Notes.

The sweet pea acreage for 1898 is much larger than in 1897.—Radish, spinach, salsify and lettuce will be sown about as usual—carrots and table beets will not be as largely grown.—The growing of sugar beet seed is increasing. It is currently reported that Spreckels, the sugar king, proposes to grow all his seed in California; if the industry is rightly handled the state should soon supply the world with this seed.—Onion acreage is said to be only 10% or 15% of what it has been in the best years. The onion bulbs for planting are very scarce and selling at $2.75 per 100 pounds in San Francisco. Many growers discouraged by the low prices of the past two years and present surpluses sold their bulbs last fall, believing it more profitable to do so.—So far the rain-fall as reported by the California Weather Bureau is materially below the normal, this with the cool weather is not encouraging for the seed crops.—On the whole it would seem reasonable that onion prices will advance materially at an early date.

Northampton, Mass.

Trade has not been particularly brisk since Christmas, and stock has been plenty and of good quality, with the exception of Kaiserin and Meteor roses, which are decidedly poor. Prices have dropped to the usual winter level, but the public has been indifferent. Let us hope that this state of affairs will soon pass away.

Mr. H. W. Field has opened a branch store at the lower end of Main street.

At the annual meeting of the Horticultural Society the following officers were elected: President, Mr. E. P. Copeland; vice-presidents, E. J. Canning, Mrs. Mary Mann and Merwin Allen; directors, E. P. Copeland, Geo. Campbell, D. McGregor, G. W. Thorniley, Alex Parks, Jas. King, M. C. Parker, W. W. Lee, J. H. Demonde and J. Cole; botanist to the society, Dr. W. F. Ganong.

A motion to consolidate the offices of secretary and treasurer was submitted to the society, and will be acted upon at the February meeting. G. W. THORNILEY.

E. F. C. YOUNG, Pres. V. P. SNYDER, Vice-Pres.
JOS. D. BEDLE, Sec'y. R. S. FOWLER, Treas.
S. M. PEASE Gen'l Mgr.

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VERBENA GRANDIFLORA.

This improved strain of Mammoth Verbenas gives perfect satisfaction to my many customers, and is justly claimed to be the finest in cultivation; florets and trusses of extra large size, all the finest colors.

CYCLAMEN GIGANTEUM

A magnificent collection of the finest giant-flowering varieties, largest flowers, best colors 30 seeds 1 pkt.

PETUNIA GRAND FIM. FL. PL.

The largest and finest strain of double-fringed and mottled Petunias to be had. Extra All the above are of the very finest, carefully grown.

Each, per trade pkt., 25c; 3 pkts., 60c; 6 pkts., $1 00.

A pkt. of the new compact Alyssum to every order.

JOHN F. RUPP, Shiremanstown, Pa.

THE BEST FOR ALL Florists' — ROSE LEAF EXTRACT OF TOBACCO INSECTICIDE — FOR SALE BY SEED STORES. FOR FREE PAMPHLET WRITE TO LOUISVILLE SPIRIT CURED TOBACCO CO. LOUISVILLE KY

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

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IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

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SKABCURA DIP CO. CHICAGO.

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List free on application.

FRED. ROEMER, Seed Grower,
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RAFFIA

New consignment just arrived by Str. Maine. Having purchased on a very favorable market, and wishing to move the stock quickly, make the following special low quotations for prompt orders:

In bale lots (about 225 lbs.) at 8c
100 lbs. or over at 9c
50 lbs. or over at 10c
25 lbs. or over at 11c
10 lbs. or over at 12c
Less than 10 lbs. at 15c per lb., f. o. b. Phila.; net terms and subject unsold on receipt of order.

☞ This exceptional opportunity for buying a supply of fine quality at a low rate should not be neglected. All commissions, large or small, will receive the same careful attention.

Grafting Wax

Trowbridge's celebrated Grafting Wax, the genuine article, 1 lb. bars at 18c; ½ lb. bars at 20c; ¼ lb. bars at 21c per pound. Rebates: 10 lb. lots, 5 per cent; 25 lb. lots, 10 per cent; 50 lb. lots, 15 per cent; 100 lb. lots, 20 per cent.

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Juniper, below Walnut, - PHILADELPHIA.

W. & D's. "SURE CROP"

MUSHROOM SPAWN

Hyacinths, Tulips, Narcissus, &c., &c.

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	per 100	1000	3000
PANDANUS UTILIS	$1.50	$12.50	
ASPARAGUS PLUMOSUS NANUS (true)	1.50	12.50	$35.00

J. L. SCHILLER,

404 E. 34th St., NEW YORK CITY.

Everybody is more pleased if you say "saw your ad. in the American Florist" when writing.

Thornless Roses.

Mr. W. N. M., referring to the garden of thornless roses at Assisi, Italy, asks if it would not be interesting to await the result of the crossing of this rose with some of our commercial varieties. Replying to him, these so-called thornless roses are not exactly strangers to the horticultural world, as we have them in the Banksias and one or two other species. The variety De la Grifferie which is the favorite stock with many of the French nurserymen is also practically a thornless rose, but as far as I have ever been able to ascertain, these thornless roses only bloom once each season, and it is possible those seen by the above writer may have been the De la Grifferie, as they will, if allowed to make liberal growth and then have a reasonable rest such as the climate would give where these were seen, produce a grand display in their blooming season, of good sized flowers in clusters of a bright rosy pink color. Hybridists as a rule are not looking for varieties that will only bloom once in a season (even if they are thornless) as the general desire is to have varieties that are perpetual bloomers or as nearly so as possible, and the florist especially demands only those which will give a constant supply of fine blooms for nearly the whole year round. If we wish any evidence to prove this just take the case of Marechal Niel. A more glorious rose can hardly be found than this when well grown and bloomed in perfection, and yet they are hardly to be found in any of the large centers where flowers are in constant use. Some years ago I asked one of the leading retail florists in New York why he did not want Marechal Niel any longer. His answer was, why simply because you cannot guarantee me a steady supply, and when yours are done blooming every one else is in the same condition, and by the time I had educated my customers up to want Marechal Niel, I had no more left to offer them. What my trade demands is a steady supply of the same class of roses; so I am afraid W. N. M. will have to wait quite a long time to see the results asked for above, at least from the busy florist.

It would certainly be exceedingly interesting work and study for the enthusiastic amateur having the time to devote to it, and the result obtained by such crossings may prove much more valuable to the horticulturist than is generally supposed; as an educator it would be invaluable, and we are all schoolboys yet with that good old dame nature as the principal teacher. JOHN N. MAY.

Jersey Items.

S. C. Nash, the Clifton rose grower, has gone south to look after an orange plantation which he has purchased in Florida. He will return in about a month.

A small fruit grower, who has a nursery not many miles from Paterson, N. J., recently read an essay before the New Jersey Horticultural Society at Trenton, N. J. An old farmer from the southern part of the state began asking the essayist questions about strawberries, and before the dialogue ended, it developed that the south Jerseyman had forgotten more about strawberries than the essayist had ever known. Moral: Be sure you are master of your subject before you read an essay.

Ed. Sceery, the Paterson florist, had the honor of having the handsomest piece of floral work at Trenton when the New Jersey legislature assembled. The design was presented to assemblyman John Donahue, of Paterson, by his friends. RUSTY CUSS.

DIXON, ILL.—We are advised by Mr. J. W. Davis, of Dixon, Ill., that the financial difficulties of the firm of Davis & Baird have been adjusted and that O. L. Baird has acquired the business and assumed all liabilities.

SPRING BULBS

LILIUM AURATUM. Per 100 Per 1000
7-9 inch. $3.75 $35.00
9-11 inch. 5.00 45.00

LILIUM RUBRUM (Speciosum)
7-9 inch. 4.75 40.00
9-11 inch. 6.75 60.00

LILIUM ALBUM (Speciosum)
7-9 inch. 6 50 55.00
9-11 inch. 7.50 65.00

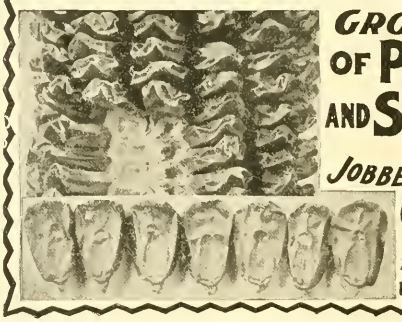
BEGONIAS TUBEROUS ROOTED...
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True Excelsior Pearl.
"Hallock strain" First size 1.00 7.50

GLOXINIAS ..Per doz., 85c; per 100, $5.00

CALADIUMS.....
Fancy leaved choice bulbs. per doz., $1.75; per 100, $12.00.

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GROWERS OF PEAS, BEANS AND SWEET CORN
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"THE GOLDEN WEST."
50c pkt., $8 oz.
New Giant Fancy Cosmos, six splendid varieties, separate, $1 oz.; Giant Cosmos, splendid mixed, 65c oz.; Calliopsis "California Sunbeams," $1 oz. Special rates given on Cosmos in quantity; Apple Geranium, fresh, $1 per 1000 seeds; New Large Flowering Zonale Geranium, $2.50 oz.; Ipomœa, "Heavenly Blue," $1 oz., $12 lb.; Laurustinus grandiflora, $1 oz.; Zinnias, "New Curled and Crested," 50c oz.; $5 lb.; Nasturtium Good Venture Mixture, 60c lb.; $8 per 15 lbs.; Seaforthia elegans (Palm) 40c per 100 seeds, $3 per 1000 seeds. Send for trade list of Seeds, Plants, Bulbs and Cacti.
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EVELINA

Is the grandest mid-winter carnation extant. This is the unanimous opinion of all who have seen it growing and predict for it a grand future. Surpasses Wm. Scott.

Send your name and address and receive illustrated and descriptive price list of Evelina.

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KATHLEEN

NO RUST
NO BURST

It is to Daybreak what the Bridesmaid rose is to Mermet

Ready March 1, '98. Price $1.50 per doz. $10.00 per 100, $75.00 per 1000. Premium, 5 Red Wave to every 100 Kathleen Pantlind.

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NEW CARNATIONS.

Grown and tested five years.

ONEIDA—Pure pink, healthy; no rust; continuous producer; largest size bloom.
RED JACKET—Bright red, fine stem and calyx; continuous cropper. $10.00 per 100.
Orders booked now to be filled in rotation as fast as rooted.

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Specialties: CHRYSANTEMUMS, CARNATIONS AND VIOLETS. ADRIAN, MICH.

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FIREFLY

A RUST PROOF CARNATION FOR BUSINESS.

Bright scarlet and *POSITIVELY RUST PROOF.* As productive as Scott. Rooted Cuttings Feb. 15th, $10 per 100, $75 per 1000. Send for descriptive list of Firefly and fifteen other novelties of '98, fifteen varieties of '97 and older standard sorts.

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Cincinnati.

BUSINESS QUIET.—ROSES IMPROVING IN QUALITY.—PRICES DOWN.—VISIT FROM INDIANAPOLIS FLORISTS.—PERSONAL MENTION.

Business the past week has been rather quiet, and the market has been entirely in favor of the buyer. There was not an over-supply, but the demand was light, and stock of all kinds accumulated rapidly. Quite a reaction has been felt since Saturday for the better, and the first part of this week roses and carnations were cleaned out daily, especially roses, which were largely sold in advance of arrival. Roses are fast improving in quality, but prices have dropped considerably during the past two weeks. Violets are in good demand, with an equal supply. Some well-grown mignonette is coming in from Karl Schweitzer's place.

Sunday, January 16, a delegation of ten of the Indianapolis florists came down to give us a hasty call. They arrived early and started at once to the home of Evelina; they highly praised this new introduction, and were well pleased with its general appearance. From here Mr. Will and Christ. Murphy escorted the boys to Murphy town, and after inspecting the carnation industry here they partook of some light refreshments. Mr. C. C. Murphy had his big four-horse team ready and gave these Hoosier friends a delightful drive through that romantic country, over to J. A. Peterson's place, Westwood. I am sorry to say I have not yet heard how they enjoyed that five-mile trip on C. C. Murphy's tally-ho. Christ., I understand, handled the ribbons with much skill. At Mr. Peterson's place they were welcomed with a warm reception, and they in turn were very much delighted with all they saw. "Call again" was the password.

Mr. H. Weber, of Oakland, Md., was a caller the latter part of last week.

Mr. Will Gray, for the past five years manager of J. A. Peterson's Fourth street store, has severed his connection with that firm. H. SCHWARZ.

St. Louis.

STOCK SCARCE.—PRICES ADVANCED.—ST. LOUIS FLORISTS VISIT BELLEVILLE.—TRADE NOTES.

Stock has been scarce; there was not near enough to fill orders and prices advanced to holiday figures. Although the weather seemed favorable for big receipts, all growers report that their cut was very small, and in some cases their crop will be off for a few weeks. Decorations were plentiful this week, and the retailer was kept hustling trying to secure enough stock, and consequently a great many orders were placed outside of the city. All dealers report plenty of work ahead till Lent.

American Beauties have been very scarce. Brides, Kaiserins and Bridesmaids sold rapidly; hardly any Carnots are coming in; Meteors very scarce, and command top prices; Perles are more plentiful; Woottons are selling well for want of other red stock; La France are very scarce. Harrisii lilies are in good demand, also callas; Romans and narcissus are more plentiful and selling well. Smilax has been scarce. California violets are more plentiful, and are selling at figures where all dealers can handle them; double violets go slowly; single violets are in large receipts, and sell cheap. Carnations are arriving in good shape and find good sales on account of the scarcity of rose stock.

At the last week's meeting of the St. Louis Florists' Club an invitation was extended by the Belleville growers to visit their plants. It was accepted and sixteen florists attended the excursion. They were met at the depot by a committee of Belleville florists, headed by Mr. A. J. Halsteadt, the genial president of the St. Louis Florists' Club, and visited the following greenhouses: St. Clair Floral Co., W. L. Hucke, Michael Semmler, West End Floral Co., A. G. Fehr and G. Gooshart. After inspecting all the plants, and taking in all the sights of the city, they returned to St. Louis very well pleased with their reception, and all voted the Belleville members "jolly good fellows."

The St. Louis Cut Flower Co. report a good trade, and their good looking president, Eugene Michel, is kept hustling looking for stock. Owing to rush of funeral orders Mr. Jules J. Beneke came very near missing the excursion to Belleville.

The Krebs Floral Co. at their handsome Olive street store are kept busy, and Mr. Fred Foster reports plenty of work ahead. Last week at the St. Nicholas hotel they put up one of the swellest dinner decorations of the season.

Mr. Frank M. Ellis, the manager of the Mound City Cut Flower Co., is sick at home with pneumonia, and the trade all hope for his speedy recovery.

There was a full attendance at the meeting of the Bowling Club Monday night, and the boys are all glad of the change to "cocked hat." There was some good rolling. Mr. Carl Beyer was high man. J. J. Kunz second, Beneke third. High single score, C. Beyer.

A. J. B.

Death of Henry S. Rupp.

Henry S. Rupp, of the firm of H. S. Rupp & Sons, Shiremanstown, Pa., died at his home, of heart failure January 14, in his 72nd year. Mr. Rupp was prominent as a nurseryman, seedsman and florist. He was a member of several horticultural societies, and one of the pioneer horticulturists of his state. The firm with which he was connected had a widespread reputation for its strain of Chinese primula, and was one of the first to engage in the mail plant trade. Mr. Rupp was a model citizen, and he had a host of warm friends in the trade. He leaves a widow, four sons and two daughters. His death is the first break in the immediate family group, which is rather remarkable, the ages of the children ranging from 30 to 40 years. The concern of which Mr. Rupp was the head has been closing out the nursery department of the business, and will in future confine its operations to the seed and floral departments, under the management of Mr. John F. Rupp.

WORCESTER, MASS.—The list of lectures as arranged for the weekly meetings of the Worcester County Horticultural Society this winter is out. Only one of them touches floriculture and that is "What the Roses have Taught a Minister." Is this an instance of retrogression?

FITCHBURG, MASS.—The business of F. O. Willard has been sold out to Joseph Fuller, of Leominster. Mr. Willard has been in business at his late stand for nine years.

Cleveland.

ROSES AND CARNATIONS A LITTLE WEAK.—PRICES HOLDING UP.—VISIT TO J. M. GASSER'S PLACE.

Roses are coming small, poorly colored, and in many cases weak in the stem, light colored and thin in the foliage, conditions that only better weather can improve. Carnations, too, that ordinarily stand a good deal of unfavorable treatment with equanimity are generally a little below the mark, being rather undersized and in most cases have a more serious fault, lacking strength and stiffness of stem sufficient to hold them upright. Judging from some of the stock, both roses and carnations, coming from sources outside the city, the unfavorable weather conditions are not entirely confined to Cleveland grown stock.

Prices hold pretty nearly to the level of the first drop from holiday rates. Aside from the weather, business on the whole has been sufficiently good to prevent any great decline in any event. Indeed, nearly all the stores report a very satisfactory trade ever since the holidays, although the period of most intense social activity must undoubtedly close very soon now. The shortage of flowers that has been quite a feature will then likely disappear.

The writer, with others, took a trip out to J. M. Gasser's Rocky River establishment lately for the purpose of looking through the houses under the guidance of Mr. Bartels, who is in charge. Carnations are the leading feature in these houses, and, owing to congenial surroundings and efficient care, they certainly do well. Like nearly everyone, Mr. Bartels swears by Scott as the best all around carnation, both as to freedom of bloom, ease of culture, adaptability and desirability of color. The flowers here were large and perfect, and that peculiar bluish tinge often seen in Scott, and which sometimes detracts so much from its appearance, is practically eliminated. A darker pink seedling resembling Tidal Wave somewhat, but more desirable, seems to be a very good thing. Daybreak seemed to be rather in a sportive mood (or should we say sporty?) here, for in addition to the Philadelphia variation known as Victor, and an identical one of local origin, there is a whole house of a pure white sport that seems to possess all the desirable qualities of its parent, with which it is identical, save in the one point of color. Albertini and Bridesmaid are also grown, and while good when they do bloom, are too shy about doing so, to make them profitable commercial varieties. Mayor Pingree, Eldorado and Buttercup are grown for yellow, though the enterprising party from Detroit seems to be decidedly on top. Eldorado here, as almost everywhere else, this year seems to be very badly rusted. Mrs. Duhme, Lily Dean and Mrs. Bradt were also seen in fine shape, beautiful in color, size and form.

A.

Catalogues Received.

Johnson & Stokes, Philadelphia, Pa., garden and farm annual; Peter Henderson & Co., New York; manual of everything for the garden; S. L. Watkins, Grizzly Flats, Cal., seeds, trees and plants; Chase Nursery Co., Riverside, Cal., trees; James Vick & Sons, Rochester, N. Y., garden and floral guide; W. Atlee Burpee & Co., Philadelphia, Pa., farm annual; R. & J. Farquhar & Co., Boston Mass., seeds, bulbs and plants; Pape & Burgmann, Quedlinburg, Germany, seeds and bulbs; T. W. Wood & Sons, Richmond, Va., farm and garden guide; Weeber & Don, New York, garden, farm and flower seeds, wholesale and retail; Henry F. Michell, Philadelphia, Pa., seeds and bulbs, wholesale and retail. Stollery Bros., Chicago, Ill., carnations and chrysanthemums; American Bulb Co., Short Hills, N. J., seeds, bulbs and plants; W. W. Wilmore, Denver, Colo., dahlias, cannas, gladioli, etc.; Caldwell The Woodsman Co., Evergreen, Ala., southern evergreens; John Lucas & Co., Philadelphia, Pa., glass and paint.

FALL RIVER, MASS.—M. Conroy, of New Bedford, has opened a flower store at 230 South Main street.



LISTEN!

Bargains in Valleys

from a newly arrived consignment we offer....

Fine Hamburg Lily of the Valley Forcing Pips

A—Selected run, $10 per 1000; $24 the box of 2,500
B—Ordinary run, $ 8 per 1000; $19 the box of 2,500
Net 30 days to approved accounts, less ten per cent for cash with order.

AUGUST RÖLKER & SONS, 52 Dey St., New York

A Carload OF.....

STRICTLY FANCY

TUBEROSES

Per 100 - $1.00
Per 1000 - 7.50

JUST UNPACKED

GLAD TO MAKE SPECIAL PRICES IF YOU USE A QUANTITY.
SAMPLES MAILED FREE ON APPLICATION.

In preparation, and should be ready in few days, our Special Carnation List tells all about the good new varieties. If you don't receive a copy a postal card will start it.

Vaughan's Seed Store,

14 Barclay Street, NEW YORK. 84 and 86 Randolph Street, CHICAGO.

New Publications.

SWEET PEA REVIEW.—*By the Sunset Seed and Plant Co.*—Wm. Doxey, San Francisco, Cal., 1898. The third edition of this intertaining and useful booklet comes to us in a brand new dress and in greatly enlarged form. It is certainly attractive in appearance, and its contents are just of that concise and exact character which appeals to those who do not care to lavish time and study on prolix sentimentality. The lists and descriptive notes are alike valuable, the illustrations, gems of the photographer's and engraver's arts. The pamplet in short, is no more or no less than its title implies—a review of the sweet pea up to date—and all growers of this flower will find it helpful in making selections for specific purposes.

BOG AND WATER PLANTS.—*By Wilh. Monkmeyer, Curator of the Leipzig University Botanic Garden.*—Gustav Schmidt, Berlin, 1897. We have in this publication an excellent account of the history, culture and uses of all the plants considered available for the decoration of the bog and the water garden. The plants are grouped under their natural orders, and thoroughly indexed. The text, of course, is in German, and each one of the 190 pages bears the stamp of careful and conscientious work, such indeed as only a skilful writer and competent gardener could turn out. The numerous illustrations are admirable in every respect. Such a book is certainly worthy of a substantial cloth or leather cover in place of the stiff paper binding which holds its parts together.

FRYEBURG, ME.—C. F. Goodnow, of Sudbury, Mass., has built a large greenhouse here for cucumber growing. The Sandwich, N. H. *Reporter* is so elated over this enterprise that it devotes nearly two columns to a description of its magnitude, quoting from the bible to prove the antiquity of the cucumber and instancing the entertainment to the Sultan Khosroyschah in the Arabian Nights to demonstrate the cucumber's high standing at that remote time. Wonder if they had Jamaica ginger in those days?

JANUARY OFFER.

	Per 100
ENGLISH IVY	$3 00
BEGONIAS, 5 Var.	3 00
OXALIS FLORIBUNDA	2.50
FARFUGIUM GRANDE	3.50
Pansy Plants to close out $2.50 per 1000. Cash with order.	.50

Jos. H. Cunningham, Delaware, O.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

GALAX LEAVES AND **LEUCOTHE SPRAYS...**
Green and Bronze. Of all wholesale florists—or write the Introducer for free samples and information.....
HARLAN P. KELSEY,
150 Tremont Building, - BOSTON, MASS.

Fancy-Leaved Caladiums
DRY BULBS

Grown by our specialist in the West Indies. The best bulbs of this class we have ever seen. The stock bulbs of these were furnished by us from the famous Brazilian Exhibit at the World's Fair in 1893. Over 25 kinds, all true to name. Price, new and rare sorts, all named, per doz., $2.00; per 100, $14.00. Standard kinds, we have in large quantities and can supply in named sorts, per doz., $1.75; per 100, $12.00.

CARNATION
CHRYSANTHEMUM
AND CANNA
NOVELTIES For Spring 1898
We can supply you all the best new ones in one order in one express shipment and guarantee first class plants.....

VAUGHAN'S SEED STORE
14 Barclay St., NEW YORK 84-86 Randolph St., CHICAGO

FORCING

	PER 100
SPIRAEA ASTILBOIDES FLORIBUNDA,	$6.00
SPIRAEA MULTIFLORA COMPACTA.	6.00

These are extra fine clumps, not divided. Also a limited quantity of Lilium speciosum album, rubrum and roseum; good for forcing—Holland grown. Orders entered now for hardy nursery stock—such as Clematis, Rhododendrons, Magnolias, Hardy Azaleas, Tree Roses, H. P. Roses, Paeonias, etc.
Branch of The Hor icultural Co., Boskoop, Holland. L. G. BOBBINK, Rutherford, N. J.

PALMS and FERNS

The Largest Stock of PLANTS IN THE WEST
GEO Wittbold
1708 N. HALSTEDST
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Adiantum Farleyense
BEAUTIFUL PLANTS,
In 5-inch pots, at $9.00 per dozen.
EDWIN LONSDALE, Wyndmoor,
Money Order Office, Station H, Phila. | Chestnut Hill, PHILADELPHIA, Pa.

A FEW LARGE
Pandanus Utilis and...
Latania Borbonica
8 to 12-inch pots. Write for sizes and prices.
John Welsh Young, Germantown, Pa.

ROSE HILL NURSERIES,
JUST ARRIVED!
Cocos Weddeliana $7.50 per 1000. 5000 lots, $36.00.
SIEBRECHT & SON, New Rochelle, N. Y.
New York Office, 409 Fifth Avenue.

Do the American Florist a small favor. Mention the paper when writing advertisers.

Palms,
Pandanus Veitchii,
Ferns and Araucarias,
IN ANY QUANTITY.
JOHN SCOTT,
Keap Street Greenhouses,
.... BROOKLYN, N. Y.
Mention American Florist.

ROBERT CRAIG
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Street, PHILADELPHIA, PA.

SPECIALTIES
IN BEST VARIETIES.
ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.

FERNS...
In fine assortment, from 2½ in. pots, $3.00 per 100; $27.00 per 1000.....
CHAS. T. DARLING, Stony Brook, L. I., N. Y.
Mention American Florist.

Pittsburg.

BUSINESS FAIR.—CLUB MEETING.—NEWS NOTES AND PERSONALS.

Business has been fairly good since last report; the usual run of social functions, but none of them of unusual magnitude or any novelties in the style of decorations to notice, and the regular line of funeral work have formed the bulk of trade during the week, which in amount is a good average after holiday week.

The Pittsburg and Allegheny Florists' and Gardeners' Club held a regular meeting on the evening of January 13, with a better attendance than usual. The report of the secretary showed the club was in a good position financially, with a list of nearly 100 members in good standing after dropping forty names from the roll of members at this meeting. New officers are to be elected January 27. This being nomination night, the following were nominated: For president, John Bader, E. C. Reineman; for vice-president, James Semple, E. C. Ludwig, Geo. Oesterle; treasurer, James Semple; secretary, T. P. Langhans; assistant secretary, E. C. Ludwig; executive committee, three to be elected, Gustave Ludwig, P. S. Randolph, W. Loew, Jacob Miller, Louis Schmidt, Theo. F. Beckert. Mr. J. C. Grant was elected a member.

Mr. F. H. DeWitt, of Wooster, Ohio, of DeWitt & Co., carnation growers, and representing the American Rose Co., of Washington, D. C., attended the meeting, making a very good display of his specialties. The Empress carnation grown by Wm. Swayne, attracted the attention of everyone, a very dark crimson and also very fragrant. Northern Lights, a new seedling and one pink and white, 73 W, their own raising, were also much admired. Of the roses, Golden Gate and Mme. Chatenay were liked the best.

At Mr. Patterson's, Market street, Mr. Flemm reports business very fair, but no rush at all; prices satisfactory.

Mr. Henry Ludwig, who is back again with his brother, Gustave Ludwig, Allegheny market, reports business steady, but could stand more of it without injury to their health.

Mr. Robert Faulk, sales-agent for Hartman Bros., is serving his country at present as a juryman in our county court, and Mr. Gustave Ludwig will commence doing so in two weeks; it looks as if florists were pretty well thought of hereabouts.

Mr. Lincoln I. Neff, Sixth street, reports business with him as very satisfactory; could do more, but with the present condition of all business he has nothing to complain of. REGIA.

40,000 CARNATIONS

ROOTED CUTTINGS.

Harrison's White, Victor, Rose Queen, $2.50 per 100, $20.00 per 1000. Daybreak, Scott, $1.25 per 100; $10.00 per 1000; Lizzie McGowan, Thos. Carthledge, Hellen Keller, $1.00 per 100, $8.00 per 1000; Also Double Alyssums, 2in pots, $1.50 per 100, $10.00 per 1000; Marie Louis Violets, 75c per 100 $6.00 per 1000. Cash with order or satisfactory refererences. Sample order will be forwarded on receipt of 25c

The Paxton Greenhouses,
C. E. TAUBE, Prop. Harrisburg, Pa.

Carnations Chrysanthemums

NEW AND STANDARD VARIETIES

Our new Trade List will embrace the leading novelties of 1898 and 1897 as well as the best standard sorts. Address

H. WEBER & SONS, - Oakland, Md.

NEW CARNATION

"Mrs. S. A. Northway"

A soft shell pink, developing to nearly pure white.

OUR MASTERPIECE.

We shall commence shipping soon.

Orders booked **now** and filled in **rotation.** . . . .

PRICE: PER 100, $10.00. PER 1000, $75.00.

Newer Geraniums.

Mme. Bruant, Mme. Jaulen, Fleure Poitevine, J. Sallier and J. Ricaud. Fine stock from 2¼-inch pots, $5.00 per 100. ROOTED CUTTINGS, $3.00 per 100; $25.00 per 1000. Net cash.

GENERAL LIST OF GERANIUMS.

A superb stock in quality and variety of all the finest sorts, from 2¼-in. pots, named, $25 per 1000; unnamed, $20 per 1000. ROOTED CUTTING, $12.50 per 1000. Net cash.

Fuchsias.

A grand lot of summered-over stock in small pots that will make early blooming plants, $3 per 100.

W. P. SIMMONS & CO.

Make the following statement to the readers of the American Florist

As originators and introducers of
"Silver Spray,"
"Tidal Wave,"
"Daybreak,"
and "Rose Queen,"

each of which has, we believe, proven even better than we claimed for them. We NOW say for 1898 that

"Mrs. S. A. Northway"

possesses all the good points that go to make up a **first-class** and **profitable** cut flower sort, and that we introduce it with even more confidence than we did the others.

It is an extra strong grower.
It is free from rust or disease.
It is a profuse bloomer.
It has exceedingly strong stiff stems.
It is of exquisite form full and double.
The flower is high built, petals serrated.
The calyx does not burst.
It is delightfully fragrant (a quality lacking in many new ones.)

OUR PRICE LIST now ready, contains prices on many other plants. SEND FOR IT.

W. P. SIMMONS & CO., Geneva, Ohio.

NEW PINK CARNATION

Mrs. Frances Joost

SEEDLING from McGowan x Wm. Scott; tested for four years. It is of an exceedingly pleasing color and proved itself an early and most prolific bloomer. It makes in a short time a fine bushy plant, and has the form and habit of what carnation men say make an ideal plant. Positively free from rust. The stem is strong and heavy enough to carry the large flower erect without tying of any sort. Calyx perfect; never bursts. It is a good keeper and a good shipper. You will make no mistake by trying a few. Rooted cuttings ready now. All orders filled in rotation. As the sale of the stock of this Carnations will be limited, it is advisable to order early if you want any. Satisfaction guaranteed.

CASH WITH ORDER.

Price, $2 per doz.: $10 per 100: $75 per 1000.

C. BESOLD, MINEOLA, Long Island, N. Y.

Anybody Can Grow

Genesee NEW COMMERCIAL WHITE **Carnation**

Originators:
HARTON & BURR,
Darien, N. Y.

For Prices, Circulars, etc., address

DAN'L B. LONG, Sales Agent, BUFFALO, N. Y.

St. Paul.

Trade has fallen off somewhat and sales are lighter than for several months. Society seems to be taking a rest before the final plunge preceding Lent. The main call now is for funeral work, with an occasional wedding thrown in to make things lively.

Good stock is scarce. The enormous Christmas cut seems to have sapped and drained the plants and the recovery is slow.

Red roses and red carnations are in the greatest demand, while everything sells readily from violets to callas.

Plants sell slowly though there is the usual demand for small palms and ferns. But flowering plants, though much in evidence, are not in great demand.

L. L. May & Co. have a fine lot of cyclamens just in their prime. I do not think a better strain was ever grown in the city. Their strain of cineraria is also unsurpassed.

Carl Johnson, the genial clerk in L. L. May's retail store, was married January 19 to Miss Wallin of this city.

FELIX.

MORRISTOWN, N. J.—Hardes & Holmes have opened a flower and plant store in the Babbitt building.

BUY YOUR ROOTED

Carnation Cuttings

THAT ARE

GROWN FROM EXTRA FINE HEALTHY STOCK.

Alaska, McCowan, Albertini, Scott, Keller.	$2.00 per 100.
Triumph, Daybreak, Jubilee	$3.00 per 100.
Armazindy	$4.00 per 100.
McBurney, Flora Hill, Mayor Pingree	$5.00 per 100.

"Best stock" is cheapest. We took most all the carnation prizes at the recent St. Louis show.

SOUTH PARK FLORAL CO.

NEW CASTLE, IND.

Experiences ... WITH ...

CARNATIONS

Ready now. Send me your address on a postal and receive them regularly, during the season.

ALBERT M. HERR,

..... LANCASTER, PA.

H. WEBER & SONS,

Carnations

Oakland, Md.

THE NEW CARNATION **Cerise Queen**

The best dark pink we have seen or grown. Orders booked now. $10 per hundred.

Mayor Pingree FINE STOCK. $5.00 per 100. $40.00 per 1000.

JOHN BREITMEYER & SONS,

DETROIT, MICH.

Flora Hill

The Best White Carnation to date; also 28 others. The Cream of '97 and '98. Send for our very low price list.

H. F. LITTLEFIELD, Worcester, Mass.

WANTED Carnation growers to look into the merits of

NEW CARNATION "ARGYLE"

and be convinced that it is the coming commercial variety of its color.

READY MARCH 1st. Price, $2.00 per dozen; $10.00 per 100; $75.00 per 1000.

Send for circular for full description and a select list of money makers in Chrysanthemums.

STOLLERY BROS., Argyle Park, CHICAGO.

New CARNATIONS.

WHITE CLOUD—White.
GOLD NUGGET—Yellow.
NEW YORK (Ward)—Bright cerise pink.
MRS. JAMES DEAN (Ward)—Clear silvery pink.
JOHN YOUNG (Ward)—White.
BON TON (Ward)—Scarlet.

Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1000.

We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witteistaetter), Firefly (Hancock), Pyche (Hill), Painted Lady (Hill), and Mrs. S. A. Northway (Simmons).

All good 1897 novelties and other standard varieties at reasonable prices.

New Chrysanthemums.

MRS. C. H. PEIRCE—Yellow. 35c each, $3.50 per doz., $25.00 per 100.
SNOW QUEEN—White. 50c each, $5.00 per doz., $35.00 per 100.
MERRY CHRISTMAS—Late White. 35c each, $3.50 per doz., $25.00 per 100.

Send for Descriptive Price List. Ready January, 1898.

F. DORNER & SONS CO.

LA FAYETTE, IND.

CARNATIONS

STRONG, HEALTHY ROOTED CUTTINGS
Ready Feb. 1st and Later

Including Morello, Flora Hill, Daybreak, Wm. Scott, Lizzie McGowan, Ivory, Silver Spray, Emily Pierson, Goldfinch, Eldorado, and others. Send me a list of what you want and get prices before you buy. We also have a fine lot of Carnation and Violet blooms for sale. Write for prices. Address

CHAS. CHADWICK,

Lock Box 11. GRAND RAPIDS, MICH.

Rooted Carnation Cuttings

Ready Feb. 1st.
All orders will be filled in rotation. Send your orders in now.

M. A. Hunt Floral Co. Terre Haute, Ind.

P. O. Box 235.

	Per 100
Wm. Scott	$1.50
Lizzie McGowan	1.50
Daybreak	2.00
Albertini	1.50
Alaska	1.00
Rose Queen	1.50
Bridesmaid	2.00

ROOTED CUTTINGS

ROSES.

Bridesmaid, Brides, Perles, La France, Meteors, Kaiserin	$1.50 per 100. $12.50 per 1000. Cuttings.

CARNATIONS.

William Scott, Nancy Hanks, Tidal Wave, Portia, Lizzie McGowan, Kohinoor, Daybreak, Emma Wocher	$1.00 per 100. $7.50 per 1000.
Meteor, Goldfinch, Lizzie Gilbert, Harrison's White, Bridesmaid	$1.50 per 100. $12.50 per 1000.
Nivea	$3.00 per 100.
Jubilee	$25.00 per 1000.

No order for less than 100 of one variety accepted.

FINE ROSE PLANTS

From 2½-inch pots. Ready February 15th.

REINBERG BROS.,

51 Wabash Avenue, CHICAGO.

UP-TO-DATE

Cuttings

THE following Carnation Cuttings are rooted in sand and then transplanted into soil, are strong and healthy; every cutting a good one.

WM. SCOTT and LIZZIE McGOWAN, $1.00 per 100; $10 00 per 1000 DAYBREAK, $2.00 per 100; $15.00 per 1000.

Coleus Golden Bedder, Crimson Bedder, and twenty other good bedders now ready, from strong top cuttings, 2¼-in. pots; will make you lots of cuttings, $1.00 per 100; $10.00 per 1000.

Named Geraniums, up-to-date varieties, 2¼-in. pots, $2.00 per 100; $20.00 per 1000.

Salvias, Petunias, Feverfew Little Gem and Begonias, all named, 2¼-in. pots, $2.00 per 100; $20.00 per 1000.

THE MORRIS FLORAL CO

MORRIS, ILL.

Indianapolis.

These spring-like days have made flowers come out somewhat faster, but they are lacking in color and substance, and as business has been unusually quiet, they were hard to get rid of.

The Florists' Fire Association is slowly but surely gaining ground in this city and we may hope, that in the near future all of the florists will be members of our association.

John Hartje, John Heidenreich E. A. Nelson, I. Nelson, R. McKeand, C Sonnenschmidt, A. Vollrath and A. Wiegand formed a party and made a trip to Cincinnati last Sunday. R. Witterstaetter and E. G. Gillett met the boys at the depot and took them to breakfast, which had been ordered by the two gentlemen. After breakfasting the car was taken for Mr. Witterstaetter's place in Sedamsville, and as intended they spent most of their time there. They found Mr. Witterstaetter's carnations all looking well, especially two houses of his new one, "Evelina" which was unanimously pronounced very fine.

After partaking of the fine spread and having had a good time in general, they were taken in a four-horse coach to "Murphy Town," so-called because everybody there is named Murphy, and all occupy their time with growing carnations. One of the Murphys is perhaps a little more distinguished from the rest by his blackberry wine, which was something delicious.

The last place visited, was that of J. A. Peterson. Here things were found as they always are, neat and clean. The center of attraction were his violets, "Prince of Wales." It was whispered about that flowers picked from them sold at $10 a hundred at Christmas. Mr. Peterson happened to tell his visitors about having had all his chickens stolen a few nights ago and the boys were wondering whether it was the man who paid $10 for the violets. J.

Millepedes in Rose Beds.

I have a thousand-legged worm, as I call it—something similar to a wire worm—all through my rose beds. They are brown in color and hide during the day in manure or soil, coming out at night to literally cover surface of beds. There are large numbers of them, and they curl up when taken from the soil. Can you give name and how to destroy them?

These are commonly called millepedes, and may be banished by occasional watering with highly diluted kerosene emulsion—thirty parts of water to one part emulsion B.

Phormiums.

"Cemetery" says: "I grow a few phormiums, the variegated kinds, for centers of vases in exposed situations and think there is nothing so good. We are troubled, however, with their dying back at the tips of the leaves and turning brown. Can you tell me how to prevent it?

In reference to above, I have seen very large clumps of this useful plant (Phormium tenax variegata, I presume is meant) growing in California, where it is of course quite hardy, and nearer the east I have seen it used in so-called subtropical effects in outdoor gardening, but I have never noticed the trouble as indicated in "Cemetery's" query. However, the reason for the dying back of the tips of the leaves is not far to seek, I think, for in New Zealand, where this "flax" is a native, it is found to grow best in moist and swampy places, and a vase in an exposed position in the dry atmosphere of the central states in this country is just the opposite to what it has been accustomed to in its native habitat. Give this New Zealand flax an abundance of water, say two or three times a day, in the dry, hot weather of American summers, and I feel sure greater satisfaction will be the result. E. L.

100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION.
Fine pot plants, $2.50 per 100; $20 per 1000. Rooted Cuttings, 75c per 100; $6.00 per 1000; $50 per 10000.
NO RUST OR MILDEW.
PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.
We are the Largest Growers of Verbenas in the country.
Our plants cannot be surpassed.
J. L. DILLON, Bloomsburg, Pa.

50,000 SMILAX by mail, 50c per 100, $4.00 per 1000.

GERANIUMS mixed, from 2 in. pots, $2.25 per 100, $20.00 per 1000.
Send for samples. Cash with order. FRED BOERNER, CAPE MAY, N. J.
When writing mention American Florist.

VERBENAS.
The finest collection in America, 35 varieties, every one a gem—mammoth size, striking colors, green as grass and as clean as a whistle. Strong plants, out of 2-inch pots, full of cuttings, $1.50 per hundred; rooted cuttings, 60 cents per hundred, $5.00 per thousand.
STRICTLY CASH WITH ORDER.
SOUTH SIDE FLORAL CO., Springfield, Ill.

CHRYSANTHEMUMS.
STOCK PLANTS FROM BENCH.
Marion Henderson, Montmort, Ivory, Pink Ivory, Queen (white and yellow), Wanamaker, etc. Also a large collection of the best Ostrich Plume varieties. All $1.00 per dozen; $5.00 per hundred.
CHAS. L. MARSHALL, 67 Merrimac St., Lowell, Mass.
Mention American Florist.

GERANIUMS THAT WILL PLEASE **YOU.**
S. A. Nutt, Beaute Poitevine, La Favorite, Heteranthe, 2¼-in. pots, per 1000 $25.00.
Cash with order please.
H. R. CARLTON, Willoughby, O.

JUST FOR FUN

	Doz.	100
ONLY A FEW FIRST CLASS Sanseviera zeylanica, Strong plants 4-inch.....	$1.00	$7.00
Begonia Rex, variety, large plants, 5-inch pots.....	75	5.00
Begonia, Flowering, extra fine plants, 4-inch pots.....	75	5.00

Specimen plants, Geranium La Favorite, 6-inch pots, 20 cts. each. Cash with order. Come quick.
McDONALD & STEELE,
109 S. Washington St., Crawfordsville, Ind.

PELARGONIUMS
From 2-in. pots at $4.00 per hundred; 12 of the leading varieties. Mixed varieties, $3.00 per hundred. I will give you your money's worth. Cash with order. Write to
S. D. BRANT, The Clay Center Florist,
CLAY CENTER, KAS.

SOLANUM WENDLANDI
The most showy semi-climber of recent introduction. Strong 3-inch plants now ready. Also Little Gem Caltas, 2½ inches. Logan Berries, Strawberry Raspberries, Mayberries. Write for list and prices.
The Conard & Jones Co. WEST GROVE, PA.

Say "saw your ad. in the Florist" when you write advertisers.

BOUGAINVILLEAS.
Beautiful for "cutting" or pot sale.
Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests.
Send for "Comments and Facts."
THEO. F. BECKERT, Glenfield, Pa.
9 miles below Pittsburg, Pa.

The Cottage Gardens
QUEENS, L. I.
Specialties in CHRYSANTHEMUMS, CANNAS, GERANIUMS, DAHLIAS.
SEND FOR OUR PRICE LIST

KLONDIKE
Cold Fields at your door. CERANIUMS.
Grown in soil in flats, ready to shift into 3-inch pots, $15.00 per 1000. S. A. Nutt, Beaute Poitevine, Mrs. E. G. Hill, Van Dael and Robt. Brett; the same in 2½-inch pots, $20.00 per 1000.
Standard sorts, such as double Grant, Bruantt, La Fayette, La Favorite, Le Pilot, Gloire de France, Hoff Beech, Wonder, Mrs. J. M. Gaar, Jules Ferry Centaureau and others, $12.00 per 1000. In 2½-inch pots, $18.00 per 1000. Rose Geraniums, in flats, $2.00 per 100. Mountain of Snow, in 2½-inch pots, $2 50 per 100. Mme. Salleroi, from flats, $1.25 per 100, $10.00 per 1000.
Ageratum blue and white, from flats, 75c per 100 $6.00 per 1000. Fuchsia, standard sorts, from flats, $1.50 per 100, $12.00 per 1000. Feverfew Little Gem, from flats, $1.50 per 100, $9.00 per 1000. Selection of sorts to remain with us. Cash to accompany all orders.
J. E. FELTHOUSEN, Schenectady, N. Y.

The Wm. H. Moon Co.
MORRISVILLE, Bucks Co., PA.
Offer for Spring 1898 an Immense Stock of
DECIDUOUS TREES,
Evergreens, Flowering Shrubs, and Vines
In great variety, of all sizes. We note especially. . . .
12,000 Dahlias—whole roots.
10,000 Ampelopsis Veitchii.
10,000 Clematis Paniculata.
20,000 Wichuraiana, Crimson Rambler and Prairie Roses.
500 Aclinidia Polygama—New climber.
5,000 English Ivy—Long tops.
25,000 Honeysuckles, Matrimony Vines, Wistaria, &c.
100,000 California Privet—1 and 2 years old.
Trade list on application. Correspondence solicited
Mention Am. Florist when writing

AZALEA INDICA Fine Well-Budded Plants.
All the best varieties, and will make fine plants for Easter blooming.
10 to 12-inch crowns.....$3.50 per dozen.
13 to 15-inch crowns..... $5.50 per dozen.
CINERARIAS, 5-inch, bud and bloom $1.25 per doz.
DOUBLE GOLDEN DWARF MARGUERITE Cuttings, by mail, $1.50 per 100.
WHITTON & SONS, cor. City & Green Sts., Utica, N. Y.

WHY NOT.....
Advertise and sell some rooted cuttings or other surplus stock.
THIS SIZE "AD." ONLY $1.00.
AMERICAN FLORIST CO., CHICAGO.

Montreal.

MEETING OF THE GARDENERS' AND FLORISTS' CLUB.—AGAIN THE PALM SWINDLER.—BOARD OF TRADE BANQUET.

There was a good attendance of members at the regular monthly meeting of the Gardeners' and Florists' Club last Monday evening. It being the first meeting of the New Year, the lively interest taken in the proceedings by the members augurs favorably for the success of the club during the year 1898.

The subject for the evening's discussion was "Stove and Hothouse Plants," but as the gentleman who was to have supplied the essay was unavoidably absent, the time allotted to discussion was occupied in answering questions from the "Question box." One question relating to the growing of dwarf poinsettias brought out the answer to strike the young shoots in July and grow on rapidly in good light. The use of coal tar on greenhouse benches and walls, brought out varied opinions, some holding that it was dangerous to use it inside a greenhouse for any purpose, while others stated that they had used it for years both for painting benches and walls without experiencing any injury to the growth of plants, the only objection to its use being the difficulty of applying it. Several questions relating to the treatment of stove plants were answered very satisfactorily, and finally to destroy greenfly vaporizing with Nikoteen was recommended in preference to fumigating with tobacco.

The secretary presented his final report of the chrysanthemum show, showing that all accounts had been paid, the prize winners having received 40% of their prize money.

A committee was appointed to make all arrangements for the annual dinner, which will take place on Monday, the 24th, after the election of officers.

The palm swindler has visited Montreal, Mr. Girdwood being the victim, his plan was something like this, a few days before Christmas a gentleman called at a house on Guy street where there is a greenhouse, and asked permission to store some palms which he was receiving by rail, for a couple of days. He then proceeded to Mr. Girdwood's and purchased $125 worth of choice palms, requesting that they be delivered to the address in Guy street, and as the occupant of the house was known to be all right Mr. G. accordingly sent the palms, but as the driver did not bring the money back, he was sent next day to make inquiry and found that the palms had been taken away a short time after being brought there, by the gentleman who owned them The detectives being put on the job succeeded in recovering almost the whole lot in different houses in the vicinity, where they had been purchased from the stranger, but the interesting individual himself has not been located yet to my knowledge.

The board of trade banquet to the retiring mayor, Mr. Wilson-Smith, came off a few nights ago; about 400 sat down, including the Governor General of the Dominion and all the dignitaries of both church and state. The room was elaborately decorated with plants from the city greenhouses. I mention this fact to show the sort of competition the Montreal florists have to put up with. BEAVER.

January 15.

NEW

CHRYSANTHEMUMS FOR 1898

Alice F. Carey, Chempwec, Dolores, Minnewaska, Miss Gladys Vanderbilt, Robert G. Carey, Spotswood, at $3.50 per doz.; $25.00 per 100.

For description see Jan. 8th and 15th issues. All the new ones of this year at advertised prices.

JOHN N. MAY, Summit, New Jersey.

Chrysanthemum Frank Hardy

The SENSATION Of the Season.



Certificated by the committees of the Chrysanthemum Society of America at New York, Chicago, Boston and Philadelphia.

First prize among whites wherever exhibited. The best mid-season white to date and indispensable to every grower whether for exhibition or the cut flower trade. Plants ready March 1st and orders filled in rotation.

Price, per plant, 50c; per dozen, $3; per 100, $20; per 1000, $150. 25 at 100 rate, 250 at 1000 rate.

A. HERRINGTON,

Florham Farms, - MADISON, NEW JERSEY.

Two Great Sports

CARNATION VICTOR

Undoubtedly the best Pink Carnation in commerce and certainly the most prolific blommer, perfectly healthy and of vigorous growth

Rooted cuttings now ready, $4.00 per 100; $35.00 per 1000 Come and see this carnation growing

CHRYSANTHEMUM PENNSYLVANIA

The finest yellow for cut blooms or exhibition purposes ever produced Plants ready March 15, $5.00 per doz.; $35.00 per 100; $250.00 per 1000.

HUGH GRAHAM, 104 South 13th Street, PHILADELPHIA.

PEACOCK'S Prize Winning Dahlias

All the Newest and Best Varieties

It pays to buy from the leading grower. We grew more than 26 acres of Dahlias the past season—more than any five (5) other growers in the world combined. Write us for wants and prices before purchasing elsewhere.

Our 1898 illustrated descriptive catalogue accurately describing all the leading new and old varieties is now in the printers hands and will be sent about Feb. 1st to all who received our 1897 list without application. Send for it. It will interest you.

W. P. PEACOCK, Atco, N. J.



30,000 DAHLIAS

Before ordering your Dahlia stock be sure and send for my catalogue novelties and standards of the best quality and at the lowest prices. All stock guaranteed true to name.

W. W WILMORE, Box 382, DENVER, COLO.

Jardinieres, Pots AND Pedestals



ADAPTED TO Florists' Use.

Artistic Shapes and Decorations.

Write us for Illustrations and Prices.....

BURLEY & TYRRELL, 42=44 Lake St., CHICAGO.

Rochester, N. Y.

BUSINESS GOOD.—SUPPLY SHORT.—PRICES HIGH.—A PARTY VISITS BUFFALO.

Another busy week for our florists has passed, though last Saturday's business was very slow and quiet; rain and snow were falling night and day, and the miserable stormy weather kept everybody at home; whoever was in need of a few flowers for some purpose, had to order them by telephone or else do without them. This week Monday and Tuesday, several social events and a grand reception given at the residence of one of the foremost families in the city, caused a general demand in every quarter. The supply was decidedly short and second grades had as good a chance of being cleaned out as select stock, which is not always the case here. Prices remain high in all lines owing to the active demand; good stock always brought fancy prices ever since the middle of December. The scant supply of good roses is most sorely felt by those few storekeepers who have to satisfy the whims of the richer class of people. Walt. Salmon is the only local grower for this market; his roses are good but he is unable to supply the steadily increasing demand. Salter Bros. have their own rose houses and sell their entire crop over the counter, but have to buy additional stock most every day. Others who have less glass are compelled to get along as best they can; the supply ordered direct from out of town growers by these florists is not always up to the standard and once in a while even unsatisfactory, still they must have the stock and have to put up with this misfortune.

A little party of our florists, composed of two Salters, Fred. Schlegel, Walt. Salmon, Steph. Berri, Geo. Arnold and two Kellers paid a long contemplated visit to their brethren in Buffalo last week. They could not find W. Scott at home, he was away in Corfu on his farm, but as there is no lack of hospitality among the florists of that city, the strangers soon were escorted by a number of Buffalonians from place to place, and last they were taken to W. J. Palmer's plant at Lancaster. All had seen some of Mr. P's unsurpassed Daybreaks and were eager to see the plants in their home. It was a rare treat to look through these houses where thousands of long and stout stems are capped with as many large-sized, finely colored flowers, or buds, and the grower may justly be proud of such results, as everybody had to admit. All the plants are kept as clean and neat as wax, not only the carnations, but all other stock as well. Mr. P. is not very well satisfied with the behavior of his lilies this year. Many thousands are grown here, and he will surely have a very fair supply of good plants for all purposes, but he says there was too large a percentage of diseased bulbs among them, more than ever before, and he is disgusted with them apparently, though the plants he has left are healthy and thrifty.

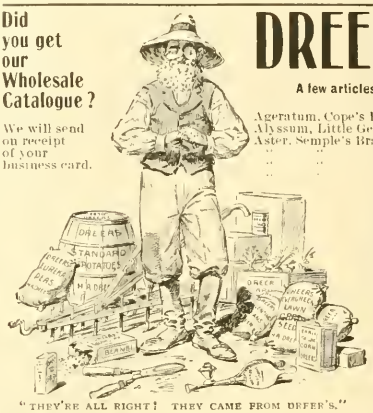
The Rochester delegation, after viewing the houses, wanted to go to Corfu; the Buffalo element wanted them to return now for a game of ten pins and tried hard to hold on to their guests for the rest of the day, but without success. So here they parted and the Rochestrians went on in search of W. Scott on his so-called farm. They easily located him, busy and jovial as ever, none the worse for his sore leg. His carnations are in excellent shape; he speaks very highly of the new white, Genesee, and equally well of the scarlet Dazzle.

In the agreeable company of such a host as W. S., the time passes before we know it and it was getting late; there was but one train more which the visitors could take, else the party would be compelled to stay over night, and as the next day was a Saturday, the majority of the Rochestrians could not afford to be away from their business at this busy day.

J. B. K.

Did you get our Wholesale Catalogue?

We will send on receipt of your business card.



"THEY'RE ALL RIGHT! THEY CAME FROM DREER'S."

DREER'S RELIABLE FLOWER SEEDS.

A few articles of exceptional quality for present sowing.

	TRADE PKT.	OZ.
Ageratum, Cope's Pet, very dwarf blue	.15	$ .40
Alyssum, Little Gem, lb. $3.00	.10	.30
Aster, Semple's Branching, shell pink	.30	1.50
" " white	.30	1.50
" " lavender	.30	1.50
" " mixed	.30	1.25
Aster, Vick's Branching, white	.30	1.50
Balsam, White Perfection	.25	1.00
Candytuft, Empress	.10	.20
Carnation, Marguerite, mixed	.25	1.00
Centaurea, Yellow Sweet Sultan	.15	.60
Cosmos, Early Dwarf "Dawn"	.50	2.50
Dracena indivisa	.15	.40
Phlox nana compacta, mixed	.30	1.50
Smilax, lb., $4.00	.15	.40
Stocks, Snowflake	.50	
" Cut and Come Again	.50	
Torenia Fournieri	.30	
Verbena, Mammoth mixed	.40	1.75

HENRY A. DREER,

714 Chestnut St., - PHILADELPHIA.

Vaughan's Pansy Seed...

This is the time to make another sowing of Pansy Seed if your plants have rotted off.

	oz.	¼ oz.	trade pkt.
VAUGHAN'S "INTERNATIONAL"	$10.00.	$1.50.	50c.
VAUGHAN'S "GIANT MIXED"	oz. $5.00.	¼ oz. $1.35.	trade pkt. 50c.

These are strains with nine years' record and with a pedigree. We have scores of testimonials. Ask the best pansy grower of your acquaintance for his opinion of our strains of the above mixtures.

For other sorts of Pansies see our Book for Florists.

FORGET-ME-NOT, Vaughan's Early and Everbloomer, plant flowers when 8 weeks old. Trade pkt. 20 cts

Our EARLY LIST of Florists' Flower seeds ready. "The Best Flower Seeds in America" Ten per cent. Discount on $2.00 worth and over for cash with order.

Vaughan's Seed Store,

14 Barclay St., NEW YORK. 84--86 Randolph St., CHICAGO.

HEADQUARTERS FOR

Vick's Branching Aster Sweet Peas

New Daybreak Aster Dahlias Begonias

Gloxinias Flower and Vegetable Seeds

VICK'S GARDEN and FLORAL GUIDE for 1898

the pioneer Seed Catalogue of America, is a perfect beauty, the best one we have issued in the forty-nine years of our business. We can honestly say that It leads them all. Those interested in the trade would do well to send for a copy of both wholesale and retail at once.

JAMES VICKS SONS, ROCHESTER, N. Y.

EXTRA SELECTED FLOWER SEED.....

SWEET PEAS.	Trade pkt.	oz
Emily Henderson, lb.	35c	
—Ex. Early Blanche Ferry, lb	60c	
—Blanche Ferry, lb	50c	
—Cupid, Dwarf white, oz., 10c; lb	$1.00	
—Cupid, Dwarf pink (new), pkt., 10c; doz	1.00	
—Butterfly, lb	50c	
—Katherine Tracy, lb	50c	

ASTERS.	Trade pkt.	oz
—Queen of the Market, separate colors, white, rose, crimson, light blue, dark blue	15c	75c
—Queen Market, mixed	15c	50c
—Late Flowering, Branching white and shell pink, separate	25c	$1.50
Pyrethrum Golden Feather	15c	40c
Centaurea Gymnocarpa	15c	50c

Wm. ELLIOTT & SONS, NEW YORK.

San Francisco.

TRADE GOOD.—GROWERS DOING SPLENDIDLY.—ELECTION OF OFFICERS, STATE FLORAL SOCIETY.—INTERESTING LECTURE.—ORCHIDS MORE POPULAR.

Trade continues to be very good in this city. Most stock is rather scarce. The fortunate growers who have good crops of roses and carnations are doing splendidly. The heavy frosts still continue to keep the violets back, but occasionally a friendly rain helps things wonderfully. The California and Princess of Wales are very scarce this season and are bringing good prices. Marie Louise is a little more plentiful than the former sorts, but the frosts seem to take all the color out of it. The stems are also very short. A few more Swanley White are to be seen this week than last, but the rains have made the blooms dirty and muddy, and the bunches have to be dipped before being put on the market. Roses are still scarce, but as a rule are of excellent quality. Not so many Testouts are to be seen as formerly. Of Beauties the supply is short and price high. Mr. Lynch's Brides and Maids are especially fine.

Carnations are in good demand and bring good prices. Mr. Sidney Clack has a fine lot of carnations, particularly whites. A few Mayor Pingree can be seen, but they are not being brought in in sufficient quantity as yet; some extra fine Armazindy are also finding their way into the market.

Smilax is in good demand, but all the growers seem to be sold out with a few exceptions. The prices brought are fair. Roman hyacinths are coming in rapidly now, but are not bringing the prices they did last week. Some Harrisii can be had but are of rather poor quality and high in price. We hear many complaints this season from the growers about Harrisii.

Palms, ferns and decorative plants are moving slowly. Extra fine pansies are to be seen in some of the stores. Many well-grown cyclamens are exhibited, but the florists tell us that like all potted plants the demand is very small.

R. W. Laake has opened up a retail store at 340 Sutter street.

Domoto Bros., of Fruitvale, have an elegant stock of Cycas revoluta on exhibition at their nursery. They also have many thousand seedlings, and report a growing demand for this plant.

The California State Floral Society held its sixth annual election of officers at Central Hall on the 14th inst. and elected the following officers for the ensuing term: President, Prof. E. J. Weekser, of Berkeley; vice-president, Mrs. L. O. Hodgkins, of San Francisco; treasurer, John Henderson, Jr., of Berkeley; secretary, Emory E. Smith, of Palo Alto; corresponding secretary, Mrs. W. H. Smyth, of Berkeley; accountant, Mrs. T. L. Walker of Alameda; directors, John Hinkle, of Oakland, and Mrs. J. R. Martin, of this city.

The reports showed that the past year was the most prosperous in the history of the organization, the society having paid off all its debts and still having a balance of $300 in the treasury. A committee from the California club appealed to the society in behalf of the floral carnival to be held in Union Square during the great mining jubilee, and received every assurance of the hearty co-operation of each member of the society. It is the intention of the committee to have an immense tent erected in Union Square in which the florists and wholesale growers of the city and vicinity shall display their plants and flowers to good advantage. It is to be hoped that the florists and nurserymen will do all in their power to make the display a creditable one.

A visit to Paul Grallert's carnation house shows many interesting things. Mr. Grallert tries every new variety that is introduced, he having at the present time several valuable new seedlings. Flora Hill he considers the finest of the newer sorts and next season will plant largely of it. His houses of Scott and Portia also are worthy of special mention.

Mr. Frank Pelicano has been making a very fine display of orchids in his windows lately. He says these beautiful flowers are gradually becoming more popular, and the demand for them increases yearly.

Mr. John H. Sievers, at 25 Park street, also had a fine lot of orchids during the holidays, all of which he says brought good prices. METEOR.

Roses Roses Roses

		Per 100	1000
BRIDE	2½-inch Pots	$2.50	$22.50
BRIDESMAID	" "	2.50	22.50
METEOR	" "	3.00	25.00
PRES. CARNOT	" "	4.00	35.00
PERLE	" "	3.00	30.00
SOUPERT	" "	2.50	22.50
MOSELLA	" "	3.00	25.00
25 Other Choice Varieties		3.00	25.00

E. G. HILL & CO., = Richmond, Ind.

New American Rose

MRS. ROBERT GARRETT

As one of the syndicate holding stock in this rose we offer first class plants, from 2½-inch pots, to be delivered on and after March 15 1898, at the agreed price of $1.50 per doz., $25.00 per 100 $225.00 per 1000.

AMERICAN ROSE CO.
WASHINGTON, D. C.

ROSES....
ROOTED CUTTINGS.

American Beauties Per 100, $ 2.50 Per 1000, 22.00

BRIDESMAID
BRIDES
KAISERIN
PERLES
$1.50 Per 100 Per 1000, $12 50

All wood specially selected and thoroughly rooted.

J. A. Budlong, Station X.... Chicago, Ill.
Cash with order or C. O. D.

NEW FORCING ROSE
MRS. ROBT. GARRETT

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S. A. F. "Problems."

It should not be necessary, at this day, to say a word in proof of the value of organization and co-operation, and while all may not agree as to the practicability of the S. A. F. undertaking all that C. B. W. proposes in a recent issue of the AMERICAN FLORIST, yet none will deny the desirability that something be done to enable our national society to strengthen its position and enlarge its influence. Undoubtedly C. B. W. is right in saying that there is plenty of work to be done, and he strikes the keynote when he asserts that "it takes united effort now-a-days, and we will get it united if we go to work." No society can reach its full measure of usefulness unless the rank and file of its membership realize their individual obligations, and not until we stop asking, "What is the society doing for me?" and begin to inquire, "What can I do for the society?" will the desired revival be a reality. Here is the hopeful phase of C. B. W.'s contribution. The fact that one member of the society has waked up and turned his attention from the engrossments of his own business long enough to suggest some live issues that might, through the instrumentality of a national organization, confer some broadly practical benefit to our profession, although it may be remarked in passing that it is to be regretted that C. B. W. did not think to carry or send his ideas to Providence last August. Yet "it is better late than never."

While this society of ours may fall short of the standard some of us would set, yet its record up to the present moment is clean and honorable, and singularly free from the selfish or debasing influences which very few such organizations escape. Among its steady supporters have been many of the noblest men engaged in horticultural pursuits, and its official representatives have been selected in a broad and liberal spirit, without prejudice as to social position, creed, nationality, or other consideration; asking only that they be honorable men, loyal to the cause and faithful to the trust confided to them by their fellow members. But however earnestly the officers may work, it avails little if they cannot enlist the interest of the members. It is easy to say that "It is the business of such an organization to attend to such work, as all feel the need of 365 days in the year." That is just what those whom the society has made its official representatives have been anxious to find out.

The time for the annual session of the executive committee is approaching, and there can be no better time for the presentation of suggestions as to new channels for the society's activities. These gentlemen leave their homes and business in an inclement season and travel long distances to meet together—for what? I know from experience how earnestly they discuss every proposition looking to the society's increased usefulness, and how disappointing is the response made to their annual appeal to the members for suggestions in that direction. If the members of the organization see the need of work in specific lines, they should take this opportunity to press their convictions. It is the hungry man who is best able to tell what he wants, and not until he has been refused at home is he justified in appealing to the public.

EX-MEMBER EXECUTIVE COMMITTEE.

ROCHESTER, N. Y.—William McKay, florist, and Miss E. J. Barclay were married on January 10.



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Helpful Reminders.

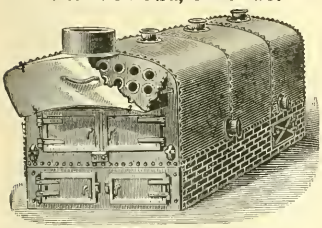
Some benches have been made vacant since the passing of the holidays, and there are many pots of lilies, both Harrisii and longiflorum underneath. The lilies should be moved up to the light at once and given plenty of space, otherwise they will grow tall and lanky. It is well to spread sphagnum moss on the benches between the pots, taking care not to move the latter. The moss helps to retain the moisture and prevents sudden wilting. Most of the growers have now cut the last of their stevia, but a few pots should be saved for cuttings, same as chrysanthemums, and the remainder thrown away. Where the stevia has been handled properly it will have been found profitable and such growers will increase their supply. The old-fashioned tall growing variety is the most desirable around, and if given half the care generally bestowed upon chrysanthemums the results will be most gratifying. All begonias should be repotted now and cleaned up, new growth and flowers in March and April being most desirable. Where there are a few feet of bench space to spare, plant a few pots of smilax. These will supply a nice spring crop and come in just when it is always scarce. Bring in some tulips and narcissus now; they are just as well under the bench where they get half light in a temperature suitable for palms and ferns.

Look over ferns, both pots and benches; many of them start growth this month and the young fronds should have an opportunity to develop perfectly. Take out all the dead pieces, giving a slight mulching of leaf mold. Where the pot plants need shifting, put in a piece of sod at the bottom, but if the stock is large, it is always better to defer re-potting until later in the season. Do not take off all the fronds even though there is no use for them; the best of the old fronds should remain on the plant until the new fronds are half grown Sow some seeds now of lobelia, maurandya, salvia, centaurea and cobæa. It is quite early for cobæa, but this plant so commonly fails that it is best to start early with a few seeds and make cuttings from the first batch of plants if they grow well. Pyrethrum aureum should also be started now. Pick over azaleas, removing the new leaf growths that may be starting around the flower buds. This growth should not be allowed to develop until after the flower has attained its full size. Begin now to think of Easter. A few pots of Deutzia gracilis should be moved in now. This plant will do under the bench in a cool house for two weeks, giving more light and plenty of room as soon as the leaves begin to show.

Bring in all the potted shrubs now and arrange to place the pots on the ground or on benches covered with soil or moss. These plants do not take kindly to board benches over pipes,—but perhaps it would be well to give here the entire modus operandi of handling shrubs. Every retail florist has call for shrubs in spring. A list of the most desirable varieties should be made out and ordered from a nursery, not less than twenty-five of each, for they come at reduced rates in that quantity. Get plenty of Spiræa Van Houtei, Weigelia rosea, white lilac and Hydrangea paniculata. These plants should be secured early in spring, potted and sunk in rows in the open ground and they will thus be in readiness for the trade of spring, summer and winter, forming in general a taking and profitable investment. The pots should be taken up in November, before hard frosts set in and placed on their sides, forming a pyramid-like pile, which should be covered with manure and litter. The plants are moved indoors in January, taken out of the soil and put back in the pots with fresh soil and grown on for Easter trade. It pleases customers to be told at Easter that the plants they are purchasing in full bloom are hardy and suitable for their lawns. The first thought may be of the expense attending the use of so many large pots, but all these pots can be used during the summer for chrysanthemums, and in autumn the chrysanthemums go out in time to make way for the shrubs.

C. B. W.

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Cheap Cement Walks.

Answering "Regular Reader" as to the best way to make a good cement walk in a greenhouse I would state that it is not necessary to have the material of which it is made, more than three to five inches thick. But it must be put down properly. First make the bottom of excavation the same shape as the top of finished walk, that is a little higher at the center than at the sides. Then make it firm by tramping or pounding. If the ground has been filled in to bring it up to grade, be sure that it is well settled down. There should be a board or curb of some kind along the sides of the walk while the work is being done, so as to make the sides quite straight, as any uneveness at the side will be the first place to break, and this will often cause a general breaking up of the cement. This curb can be removed when the walk is finished.

The best material to put with cement is broken stones or gravel, but any rough hard stuff will do. We have made a pretty good walk with coal cinders and cement, but ashes are too soft to make the best kind of a job. It is not necessary to have the stone of equal sizes, in fact we think it better to have them from two inches down to coarse sand in size, but of course, free from clay, the finer stuff will fill in between the larger and make a solid mass. If using coarse gravel, I would surely add a lot of sand to it, as this would save cement, and make a cheaper path.

The important part of making a concrete path or wall is to mix the materials thoroughly, and this can only be done when they are dry, that is before water is added. Using one part cement to eight or ten of gravel or stone, select some hard level floor convenient to your work, and put there as much gravel as you can handle in fifteen or twenty minutes. Level it over about six inches thick, then scatter the cement evenly over the top and turn three or four times, now put on enough water to wet all parts of it, and turn over a few times, when it is ready for use, and may be shoveled into the path to the required thickness. Roll it, or firm it down immediately in some way. this must be done before it begins to dry or set. Finish off the top with a layer of finer and richer mixture say one part cement to three or four parts sharp sand. Mix this well while dry and put on thick enough to level up all over, usually one-fourth to one-half inch is enough of this finer mixture.

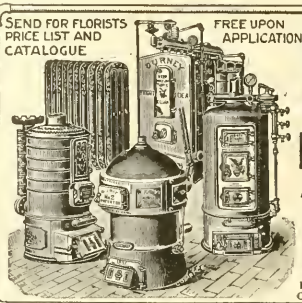
Most any grade of cement will do for this purpose, but the poorer the cement, the more must be used in proportion to the sand or gravel. We always think it best to use cement of a pretty good quality. N.

NEW BEDFORD, MASS.—The annual election of officers of the Gardeners' and Florists' Club was held in Masonic hall, January 10. The following officers were elected: President, William Keith; vice-president, Robert Mitchell; secretary, Peter Murray; assistant secretary, Thos. S. Dahl; treasurer, Charles H. Waite; executive committee, James Russel, James Garthley and Andrew J. Fish.

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One Man Who Gets Satisfaction From the Express Companies.

About getting satisfaction from express companies for damage or delay, I can hardly agree with brother C. B. W. I am not so important a shipper that the question of the value of my business is worth the thought to the superintendents to whom my complaints may come, but it has been my experience that if a complaint was just I got satisfaction from the express company. Most of my shipping is with the American Express company. If a box of flowers is delayed beyond reason, or is damaged in their hands, I have always got what I asked for. I state the facts in the case and name the amount of damage, and as soon as possible a report is made and the claim settled, but I would say be careful to always be just with the express company. The Adams Express company brings me the greater part of my flowers, and I also ship some by them, and the same courtesy is shown by their agent and officers.

Not long ago I sent a box by them marked "to be delivered before 6 p. m. to-day," stating the date. It was not delivered until the next morning, although it arrived about 4:30. As it was for an evening party, the flowers were of no use; the express company settled.

I use a special tag, which has explicit instructions to express agents and possibly here is in part the reason for getting such easy justice, but I fail to get any recognition of the 20% special rate to florists, unless the shipment is so marked from the office at the starting point.

G.

THE horticultural society of a down-east town offered a prize for a cyclamen group, and the only entry turned out to be a bicycle club's photo.

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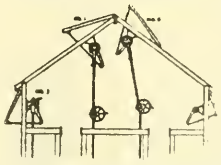
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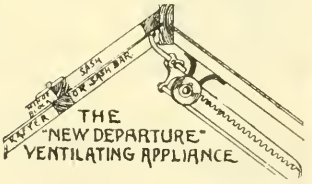

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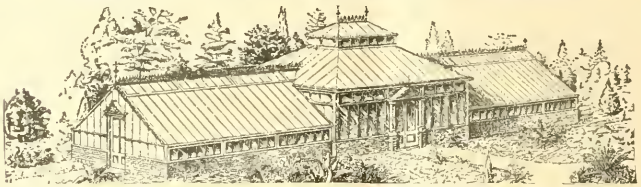
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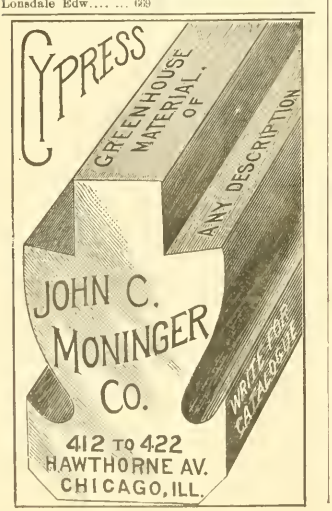
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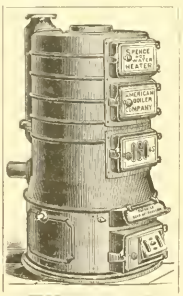
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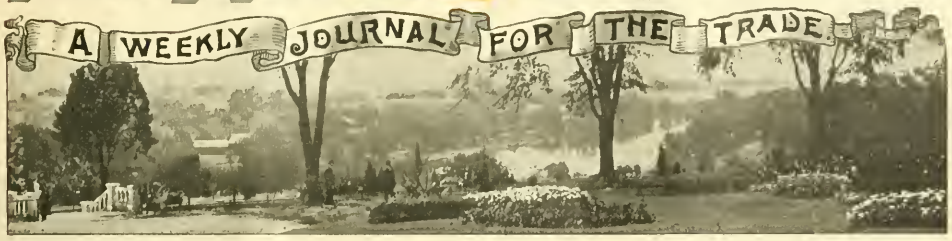
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THE AMERICAN CARNATION SOCIETY.

Annual Convention at Chicago, February 17 and 18, 1898. ALBERT M. HERR, Lancaster Pa., Secretary.

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Ho! for Chicago!

Carnationists already have the fever in their bones, and the mind's weather eye guaged towards the next annual meeting at Chicago, where a royal welcome awaits them and an equally good time all around. When their congress is in session, I fancy that carnation lore will reel out no end of interesting experience, yes, and the convention-al air will be spicy with discussions—before and after—certicates are awarded.

Spiciness is a naturally inherent quality with carnations, most people like it, and sniff it from afar.

Chicago is well located for a carnation convocation and exhibition. Chicago has flower-loving people and is recognized as a horticultural center. I will not dispute it even being the center of the universe. I both like and respect Chicago, and the World's Fair opened people's eyes generally as to its marvelous industries and possibilities. In several respects Chicago is as great or greater than Greater New York! Eastern horticulturists envy as well as admire its earnest progressive spirit, executive ability and superior management. In the matter of flower shows, I believe it is the only city on record for '97 that came out ahead, with money in the treasury! and this, too, with an extensive, elaborate and expensive exhibition.

It is fully expected that the carnation exhibit will be phenomenal, excelling in quantity, variety and quality over preceding years. If this display could be made public, and suitably staged in the right place, it might be made a source of revenue to the society. So far, this has not been the policy of the society, but it would be educational and further interest the people in the people's flower. Comparatively few retail buyers know the possibilities of the carnation, to most of them a carnation is a carnation; red, white or pink, and expect the same average price for any variety or quality. The biggest ones, however, are always preferred, but no increase in price, mind you. Customers would like exhibition blooms at Greek's prices. If the Grecks—in habitat—annoyed the Turks as they do the poor florist, I don't wonder there was war! The flower loving public needs to be educated as to grading carnations, same as roses.

This is being practiced in some sections, but not all. Rarely a customer fails to appreciate the ratio of variety and quality, as to roses, but grade the price of carnations proportionate to quality, and the issue is more problematical. Carnations all look alike—to some people. In my experience but one name is universally known, namely, "Daybreak"—some get it "Sunrise"—that is not so far out of the way. After Daybreak, Scott is intelligently asked for, the names of other varieties are unknown quantities with the mass of buyers. "I want a couple of dozen red pinks, and be sure and put in some asparagus."

"Would you like Portia, Jubilee, Bon Ton, Morello or Red Jacket?"

"Oh, bother with the names! I want some nice ones. What are carnations per dozen?"

"Twenty-five to fifty cents."

"Twenty-five cents is all they ask down the street. Don't forget the asparagus. Here's your half-dollar."

O, tempora! O, mores!

Grow good carnations, grade them and likewise grade your customers. The carnation belt is so flexible that it takes in the whole country. The best way to grow a good carnation is to know the variety, and you can better supply the requisite conditions. It is rather fancy business growing fancy carnations for ordinary trade.

Considered from a pecuniary standpoint, 'tis but "casting pearls before swine," and the fancies "go to sleep," in fact are sleepier as a rule, than the common herd. A smaller wide-awake carnation sells better at Easter than a big sleepy head. A fully done carnation may be a peach over-ripe. But if a carnation flower was as durable as a chrysanthemum bloom, I would go out of business, and trust my luck to Klondyke.

There is some sentiment to a withered rose, my lady wore it in her hair, and I will cherish the precious mummy, for a bookmark, and sigh at the mere sight of it! But I will draw the curtain on the passing of carnations and chrysanthemums, no one cares to see this act.

There is no occasion to brace up the popularity of the people's own flower, as it belongs to the people, it is common property. So let the public see what is being done by carnationists and the carnation society.

Send in exhibits from any available source and provide that these visitors shall be properly taken care of. Full many an excellent variety is not generally known. Laura Vick is a scarlet Tidal Wave. Those who grow Tidal Wave satisfactory would find this sport a paying sort. The color is bright. Another sport from Rochester is a clear white Daybreak, grown by J. O. Pridmore. Several so-called white sports of Daybreak are greenish or dull, this one is really white. Mr. Marquisee of Syracuse has a rose pink seedling Columbia, that is very promising indeed, and several others for

that matter. He has one entire house devoted to seedlings to hear more of later. Mr. Baker, of Utica, has two fine ones in Red Jacket and Oneida, "Argyle," of Stollery Bros., is already well known around Chicago. Genesee is a prominent white in Buffalo and vicinity.

Never before was the country so full, even to overflowing, of good things. Let them be represented at Chicago. Send good specimen blooms—not too mature—carefully time your shipping, and enclose a show card with the name of the variety and grower. If you decide to enter for a certificate, be on hand yourself to look after preliminaries, and above all things see that your candidate is bristling all over with "points" at least eighty-five straight. GROVE P. RAWSON.

Carnations.

DETERIORATION OF VARIETIES.

I will confine this article to the origination and dissemination of new varieties and the part it may have in their deterioration.

The hybridizer who recommends the use of some certain variety as a parent plant because it will produce 80% or 90% double flowered seedlings, and who seemingly has no higher aspiration than simply to obtain a large percentage of double flowers regardless of all the other and most vital points that should be taken into consideration by his class would, as a rule, confer a favor on the trade by either retiring from active service or amending his ways, for certainly there is no one thing in the carnation business that requires more study, thought and care than the origination of new varieties. The most important of all objects to be kept in view is the development of varieties with stronger constitutions that will better stand the poor cultivation (or rather the bad homes they will have to live in) and abuse they are sure to receive from many growers after they are disseminated.

I do not mean by strength only varieties having very large grass, for often a large fat growing seedling does not possess much vitality, and is quite liable to be a subject of disease. It is no sign of health and strength because a person may be corpulent, but quite often the reverse.

It is impossible to decide from the seedling plant as to its future habit. Very often it will improve the second and third year and almost entirely change in its habit of growth and bloom, but more often it will grow poorer. A seedling that shows any signs of a diseased or weak constitution during the first three years should be discarded as soon as the trouble is discovered, and under no circumstance should it be used to breed from. Consumption is hereditary and so is a weakly debilitated constitution in carnations. It is a mistaken idea to think they will "grow out of it." I have never known of a single case where they did not grow worse rather than better. We should not loose sight of the fact that our idea of a perfect flower is exactly opposite in most cases to that of nature. Nature's perfect flower or plant is one that has strength to freely reproduce itself, while our ideal perfect flower must be of a certain standard of size and form, and as we approach this standard we do so at the sacrifice of the strength and vitality of the plant. It therefore stands us in hand to be careful in breeding to maintain and develop so far as possible strength and vigor of plant.

The practical hybridizer will keep record of every cross that he makes and take notes of the result as to strength and vitality of plant, blooming habit, size and form of bloom, and color of the seedlings obtained. These notes should be kept in a book for reference to guide him in future work. A thing that is worth doing at all is worth doing well.

As to the culture of new varieties before being disseminated I do not recommend the very heavy feeding given by some growers, for a variety should show itself profitable under good ordinary culture before it is sent out, and in case it is only profitable under the best of culture, it should be so stated when sent out, for it is impossible for many growers to do this owing to circumstances which they can not control.

These notes are not directed to any individual originator. I welcome each and every good variety, no matter who the originator may be, nor do I wish to discourage any one in his efforts, but believing as I do that carnations are but in their infancy and that we have every reason to expect to have as many desirable colors and shades for cut flower purposes in carnations as we now have in roses, and that the demand will increase for them from year to year. Let us, as originators, in no way lend a hand to check them in their onward march. Remember one thing, that there is no law compelling you to send out a set of seven or any other number each year and that simple variation in color of a seedling (even though it is a valuable color) alone is not sufficient justification for its dissemination. It is a successful grower that gets a money maker once in two years. They don't come by the score or by chance. Be as careful as possible you will sometimes even then make mistakes, but for the best interests of all they should be as few and far between as possible.

In conclusion allow me to say to the hybridizers that with us rests, to a great extent, the future of carnations, and if heretofore you have been careless and thoughtless in your work, to commence anew and set up some mark to work for, keeping in mind always the important point, strength and vitality of plant. You will meet with many failures, but remember it took five generations to produce Daybreak. I wish you all the greatest success in your work.

In my next article I will write of some of the "innumerable species" of propagation—the species that have yellow streaks in them. A. T. SIMMONS.

Carnation Notes.

Three weeks from this time the carnation will reign supreme, and the American carnationists will assemble in Chicago to introduce their new candidates for popular favor and also to show the progress made with the divine flower during the past year. It is now time for all intending exhibitors to think about completing their plans, and one of the most important things to be considered in this connection is the scale of points adopted by the American Carnation Society, under which all blooms will or should be judged. Take, for example, the scale for the large vases and all vases of standard varieties. The principal feature is color, with a possible twenty-five points, and it is therefore necessary that every flower be of a clear and decided color. Washy or "blue with age" blooms will not score very high under this head, and many a premium is lost to otherwise good flowers through just such defects.

The next thing on the programme is stem with twenty points, and these with the color points come within five of half the possible total of one hundred. Then we have size, form and fragrance with fifteen points each, followed by ten for substance. Now with regard to form, all the flowers should be as even as it is possible to have them, rejecting those with bursted calyxes and also those that show any tendency to revert to the original single form, for if entered in the open classes they are certain to run up against some of the pets of the seedling growers, which by all account are the best that have ever been seen. The points in the seedling classes are more evenly divided, bringing in fifteen points for calyx and ten points for plants. In the selection of plants choose those with open flowers, but showing also buds and shoots in various stages of development, as habit and growth count high here.

Let all flowers develop fully before cutting, which should be done early in the day, before the sun gets at them. Several varieties, especially those with petals of a waxy texture, will have an old and bruised appearance about the edges if cut when the sun is shining full upon them. Such blooms appear to lack substance, and their appearance is bound to condemn them. All blooms should be stood in water at least twenty-four hours before shipping, and arranged in the jars so as to give each individual flower plenty of room to expand perfectly. The place in which they are stood should be dry with dull light and a temperature of 50°. This not only stiffens the stems, but also improves the flowers very much.

C. W. JOHNSON.



THE LATE HENRY MICHEL.

Death of Henry Michel.

Died at Marion, Ind., January 20, Henry Michel. He was one of the pioneer florists of St. Louis, Mo., and was one of the best known men in the trade. He was born near St. Louis, 1841, and was engaged in the floral and seed trade there until 1889, when he was attracted to natural gas fields and towns of Indiana. He located at Marion, where his labors



WELL-HOUSE, GARFIELD PARK, CHICAGO, JANUARY, 1898.

were crowned with great success, having in a few short years established a splendid business and a magnificent home. Deceased leaves a wife and one son.

Impressions Made on a Westerner by an Eight-Days' Trip Among the Big Ones Down East.

[Paper read before the Chicago Florists' Club, January 27, 1898, by George Stollery.]

Arriving at Philadelphia a few hours before the Carnation Exhibition held there, I had time to examine their fine place of meeting. How thankful the florists of Philadelphia ought to be that they have such a place. The exhibition was only fairly attended, considering the good showing of carnations. As all the varieties have been mentioned in the trade papers, I need not describe them here.

My first call was at Will Craig's place, and I spent a very interesting hour among his carnations (of which most of the plants grown consist). I found all the novelties of last year, giving me a chance to see them growing side by side. Flora Hill was doing well, also Jubilee and Pingree. Harrison's White here, as at every place I saw it growing, was making a poor showing. Lily Dean was exceptionally good, making one of the finest benches of carnations I have seen; no other variegated can compete with it in beauty and chasteness.

On my way back to the city I called on Robt. Craig and found him just recovering from a severe illness. At this place the entire plant is devoted to pot stuff, palms, crotons, azaleas, Harrisii, hybrid roses, etc. Areca lutescens he has in unlimited quantity, in all sizes. Azaleas too are exceptionally well grown, being one mass of buds. There was a large quantity of Crimson Rambler in 6 and 7-inch pots four feet high, trained on sticks, that will make a fine showing at Easter. Hugh Graham's place came next, the home of Victor, and it certainly is at home. He had one house full at the time I was there. It was one of the finest sights I have ever seen in carnations; flowers in quantity, large and well formed, with good stems. If it could be done out this way like that, no one should be without it. It is somewhat stronger than its parent. Palms were here also in large quantity.

Mr. J. N. May was next on the list. Roses are mainly grown here, and grown extremely well. Beauty was in the best of health and in fact everything was doing remarkably well. One bench of Clara Watson rose looked well. This rose has a most beautiful color and should find a ready sale.

In carnations, a house of Lily Dean was good, one could say extra, if it had not been outclassed by a variety planted in the next house of the same general outline, only flowers a great deal larger. I believe this is unnamed at present. Mr. May says it is bringing $10 per 100 in the New York market. He has some other seedlings on trial that will undoubtedly be heard from later. One thing that impressed me at this place was the general cleanliness and neatness of the whole plant. What a pleasure it is to walk through such a place. Leaving Mr. May's, I went to Mr. E. Asmus', Hoboken, N. J. Stock in general was remarkably fine, especially carnations, which were the finest I saw on my whole trip. The varieties were limited. The most striking were Victor, Daybreak, Mrs. Bradt, Flora Hill and a new red seedling, Mars, I believe it is called. Can't Mr. Asmus give us a few pointers on how it is done?

Next morning I made my way to the New York Cut Flower Co. to see the stock come in. A large amount of it came in, packed for the different retail stores. In fact most of it did. This saves a great deal of handling and bruising. One thing I noticed especially was that the salesman picked out the stock himself, instead of letting every Tom, Dick and Harry do it for him. This is a point some of our wholesalers might take a lesson from.

Dailledouze Bros.' place is the home of all carnations. As the man said, there was no bad beer, only some better than others, so one might say of carnations at this place. Planted a good distance apart and tied up neatly, they are a sight worth going a long way to see. The place has prosperity printed on it plainly in every direction. Mr. C. Allen was next. Scott was there doing the best that I saw anywhere. A house of Asparagus Sprengerii was giving a large crop, planted out in a solid bed; strings three to four feet long, and plenty of them. Allen's Defiance mignonette does not seem to be able to defy disease, as it was pretty badly used up.

C. W. Ward's Cottage Gardens: Here I found a large assortment of plants, both in benches and in pots, all showing without exception extra good cultivation. Palms were stocky and grown cool; they were in the best of health. Cannas and geraniums were extra good. Of the latter he has a very fine assortment. In carnations he has very little besides his own and Dorner's novelties and seedlings on trial. All varieties were clean and healthy, and were carrying a large crop of flowers. On my return trip I had a stop-over of an hour or so and called on Wm. Scott, at Buffalo. I saw here Genesee, the new white carnation that is being introduced by D. B. Long. It looks as though it should prove a good bread and butter carnation. My next stop was at Toronto, at Mr. John Dunlop's. I found roses doing grandly; Brides and Maids, Perles, Hoste and Sunset were extra good; Beauty was only fair. It looks as though he has a good thing in his new rose, Lady Dorothea I believe is the name; a sport from Sunset, it is decidedly better color than its parent. His carnations were below the average, but he has some seedlings that should be heard from later.

An hour's ride brought me to Mr. Dale's, Brampton, and here I saw the best roses I had ever seen. Brides and Maids, Perles and Hoste were immense, flowers as large as Beauties, and large quantities of them. The plants were very large and foliage like leather, making the finest example of health that one could wish.

With this place I finished my rambles, having met with the greatest hospitality and attention from everybody visited that it has been my good fortune to meet.

A Crozy Introduction of 1897.

The flowers of Secretaire Chabanne stand out from the spikes separately in such a manner as to attract attention. Its color is a beautiful orange with deeper shadings; flowers large and round, foliage green; extra strong grower and free flowering, and stands three and one-half to four feet high.



CANNA SECRETAIRE CHABANNE.

ROSES.

Notes.

It is now quite time to look over the ground for next season and decide what we shall grow and which discard, also how much space shall be devoted to each variety. It won't do to simply put in a batch or two of cuttings of each, aiming only to have enough and to spare, or when we come to plant next summer we may find ourselves short on certain kinds and "long" on others; Meteor, perhaps, to spare with no chance of selling, Beauties short and must pay a long price or fill up the house with some other variety. If we would just now take whatever time the task might require and perfect our arrangements for next summer's planting, we could in most instances avoid having any large surplus left on our hands at the end of the season, representing so much space and labor lost; neither should there be any occasion for disappointment over stock that didn't "pan out" as the seller assured us it would.

Last summer I had so many complaints reach me (through my connection with the FLORIST) because of inferior rose plants purchased in various parts of the country, and had so many inquiries for really first-class stock which could be depended upon that I took the occasion to say in my notes at the time how apparent it was that while poor third-rate plants were always to be had cheap (?) there was no money in them for either grower or purchaser, but the man who would furnish a good article at a fair price (a good price) would have little difficulty in finding a market for all of his product. It is worse than galling, though, after paying a good price and expecting to receive good plants, to find we are no better off than our neighbor who bought cheap. One difficulty in the way of securing choice rose stock is the fact that nearly all of the most successful growers positively refuse to take from their plants more wood than is needed to replenish their own houses; but I am straying away from my subject. The point I wish to make is, that the way to have good stock is to raise it rather than have to purchase, and to raise only such kinds, and as many of each as you are certain to use, or have a reasonable chance to sell.

It is fortunate for the rose grower (cut flowers) that he hasn't so many varieties on his list as the chrysanthemum man, and so is not in as bad a predicament as that gentleman when it comes to a revision of the list, still it is often very difficult to decide whether to continue to grow a certain variety or otherwise. In determining what varieties, and how many of each to grow, I think every man is his own best judge, the local demand for a certain rose, and our ability to grow it should be the sole factors in helping us to decide. I think we make a mistake in giving valuable space year after year to kinds that never do well with us; no matter what the demand may be if we can't grow a rose successfully I think it is much better to leave it alone and plant something that we can grow.

The tendency at the present time, especially near large cities, is to make a specialty of one or two kinds—such as the soil or locality favors, and by giving undivided attention to these a superior article is produced and the house soon becomes noted for its A1 Beauties, Meteors or Maids, as the case may be, which would not happen if many kinds were handled and only a few flowers of each found their way to the market. A safe rule in all cases it seems to me is to plant heavily of those kinds that grow the finest and bloom the best, whether it be Beauty, Meteor, Bridesmaid or some other variety, (provided always that the variety is a good seller) it is seldom advisable to hang on to a rose, however much we may admire it, after it has ceased to be popular.

So much has been said in these columns about the selection of wood for cuttings, and the importance of this matter is so generally understood that it is perhaps unnecessary for me to enlarge upon this feature now; I wish to mention one

thing, however, that we should never lose sight of when taking, making, and potting off cuttings, namely, that the cutting we are handling is the very same plant in miniature that is to bloom in our greenhouses next season; what we sow now we shall reap later, if the foundation we are laying is weak and feeble it is idle and foolish to expect to build a strong and perfect plant. We do not get a new plant each year but simply a continuation of the old, and the mature blooming plant is the cutting rooted and developed, nothing more. How important then to have a cutting that is sound in every fiber, not a little puny thing, or a golden leafed species; not some hard scrubby stuff that has been securely hidden away from the sunshine for many weeks, but the richest colored, freshest looking and best developed shoot the plant has formed is the one that should be lopped off and find its way into the cutting bench. The question of blind or flowering wood is not so important as health, vigor, maturity and lustre of foliage.

Some growers believe in putting in one large batch of cuttings, enough for their needs, and so get through with it at once; it may be more trouble and expense to protract the propagating season, but by doing so we have the advantage of a larger choice of wood that should amply compensate for extra trouble.

ROBT. SIMPSON.

Black Spot of Rose Leaves.

One letter in the morning mail will ask for information about the black spot, and contain a long account of the ruin it has brought. In the afternoon the complainant is visited and the writer stands face to face with the facts. Before returning home a run is made through the houses of another grower of roses, and when he is asked about the black spot the reply comes that he does not care a fig for it. What there is of it in the houses it is claimed is a real benefit.

It goes without further saying that all rose growers are not agreed upon the destructiveness of the black spot. The leading varieties vary and when a grower has his houses filled with the American Beauties the black spot may be quite different than when the rosarian is growing chiefly the Bride or the Bridesmaid.

In short, some sorts are much more susceptible to the black spot than others, the reason for which is not yet well understood. The tendency of plants to do this or that is as obscure a function in floriculture as anything one can mention. Were it not for this strong individuality of varieties much of the interest in growing roses would soon disappear. Every grower comes to know these indescribable qualities, though it may baffle him to put his knowledge of them into cold print.



ROSE LEAF SHOWING BLACK SPOT.

Take the country through there is not a more conspicuous rose trouble than the black spot. Growers differ greatly as to the nature of the trouble, but this comes from a confusion of the terms cause and condition.

The direct cause of the black spot is a fungus as distinct in its characteristics and methods of producing offspring as the rose upon which it grows. The common name it has received is very descriptive for the fungus produces in the foliage dark almost black patches unlike those caused by any other fungus of rose leaves. This fungus Actinonema Rosæ, Lib. has been known as a recorded species for over seventy years, having been described by Libert in 1826.

Unlike the rose mildew the younger leaves do not show the black spot and generally only the full-sized ones show the characteristic patches of the black spot caused by the actinonema. Next to the darkness of the oval and often confluent patches the most marked effect of the fungus is the yellow color of the areas of the leaves not covered by the spots; in fact the two abnormal colors intensify each other and make the foliage sickly indeed. About the time a leaf gets yellow and black it falls away and when the disease is unusually prevalent the older leaves all fall and are to be found upon the ground, under the nearly naked canes. The effect of the actinonema is not confined to the spot, and the loss of green throughout the leaf and its separation from the stem only show plainer than words can describe the injury the fungus may do.

We are now ready for a description of the work of the fungus, that is, of the ravaged leaf. At first there is a slight browning of the foliage in small patches as shown in several places upon the terminal leaflet of the leaf in the engraving made from a drawing from actual specimens. At this time the leaf is still green, but as time passes the spots deepen in color the fungus growing denser and sending its fine threads throughout the leaf, and the green is being replaced by yellow. A few weeks later and the final stage of destruction is reached; the working green is all replaced by the inactive yellow contents throughout the leaf and the spots become black with an ashen central area when the leaf is entirely dead. The large leaflet upon the right hand



EVELINA—PRIZE-WINNING VASE AT ST. LOUIS.

shows the black spot in an advanced stage and when the spores are formed in abundance. By the time this stage is reached the leaf has usually fallen from its attachment and the fungus goes on growing and maturing a large crop of spores borne upon the surface and by means of which the fungus perpetuates itself by spreading to the healthy foliage of roses.

It is not the purpose to burden the reader with a technical description of the fungus itself, which would need drawings of microscopic views. Let it suffice to say that it spreads by spores and these must be prevented from forming or kept from getting to healthy leaves if the disease is to be held in check.

Remedies. When greenhouses and open grounds are badly infested with the black spot it is eradicated with difficulty largely because the spores are widely distributed and in great numbers so that they are ready to produce the disease when an oportunity offers. It is not easy to entertain the thought that these germs are multiplied almost to infinity upon a comparatively few badly infested leaves and being small are unseen but ever present sources of new outbreaks. The first thing to do is to destroy all foliage that is affected by picking and burning. This means with hardy roses as well as those indoors. Leaves should not be left upon the soil to propagate the trouble, as they will do in a short time.

In the next place the healthy foliage needs to be sprayed once in ten days with a fungicide. There is very little use of doing this unless it is with thoroughness and followed up closely. New foliage soon makes its appearance and unless the sprayings are frequent the germs get established and then spraying will not reach the case. It needs to be remembered that spraying is a preventive and not a cure. A leaf with the black spot established in it is past cure by spraying, but the spraying of it may kill many of the spores it is producing and in that way be effective.

Various sprays are used and none of them are just what rosarians desire, for all coat the foliage somewhat and thus injure the output for market. Thus Bordeaux mixture while effective has the objection of whitening the leaves with lime. Cupram is a good mixture and is used by some. A potash compound in which the lime of the ordinary Bordeaux is replaced by caustic potash is also being used.

BYRON D. HALSTED.

Helpful Reminders.

From now until March 1 is the best time to propagate. After the sun's heat becomes strong, the temperature and moisture are more difficult to regulate for anything so delicate as cuttings, so it behooves you to accomplish as much as possible in this line of work at once, also bear in mind that cuttings taken from pot plants strike root the most readily and be sure your knife is quite sharp. If you have not the proper stock plants of verbenas or petunias, they can be grown from seed if sown by February 1, provided you secure good seed; the undesirable shades of blue and magenta predominate in the common seed, but it can be had in separate colors and saved by dealers that can be relied on. Do not calculate on taking cuttings, but sow plenty of seeds while you are at it; let them develop blooms early and throw out the ugly ones. After you have sown seed carefully, cover thinly with pulverized sphagnum moss; this prevents sudden drying of the soil while germinating. Place the flats under a bench where there will be no drip; there is no use for them on the bench until they begin to form leaves.

Now is the time to doctor your damaged palms. Most every retail florist owning a greenhouse has spoiled more or less palms, just enough to render them worthless for immediate use, but too valuable to throw out. A palm is one of the most sensitive plants about having its roots interfered with, and if it is desirable to do so at all no time should be lost. A palm which has lost most of its foliage, either entire or so damaged that it is of no value, has suffered at the root in nearly every case. The plant will not be of value until two, three or four new leaves are developed; they start growth now, and form new roots. The pots are full of roots and in order to develop good leaves more nutriment must be provided; in some cases sheep manure or other fertilizer may be applied, but in the majority of cases fresh soil and more room is desirable. To shift them to a larger pot would be increasing size of pot as palm decreased. It is best to wash out what soil there is carefully and cut out any roots you are sure are lifeless. Put back into the same pot with fresh sweet soil. Place all of these together, selecting a suitable place for your hospital, and keep them there until they are in first-class condition; go over them once a week, and cut off a damaged leaf wherever you find it crowding a new one for space and light. The leaf will be looking quite respectable in six months. To cut off all the damaged leaves at once would be an injury. Any Grevilleas, or bamboos, you may have should be shaken out now and put back into same pots. Set them wide enough apart to break out on sides if they are large plants. You can set other plants between which are shorter and do not mind some shade. For smaller plants of Grevilleas sow seed now, it is a most valuable plant for decorating and in some cases for vases or veranda boxes.

Asparagus seed should be sown now. You cannot afford to be without Sprengerii or tenuissimus. The plumosus is also excellent, but the most useful is tenuissimus in open ground, same as smilax, and the Sprengerii in pots, either hanging or set up on cedar posts cut in blocks 12 inches long. The plumosus requires at least 12 feet to grow in. You can always get a few strings when necessary; but a bed of tenuissimus is always ready, and of a size you can use for almost any purpose. Pieces from 1 to 3 feet long are much prettier than any other variety.

Now is the time you are entertained evenings by reading the glowing descriptions of the wonderful novelties for the season, the numerous chances of a lifetime offered you. If any of them are not too extravagant and interest you, ask the S. A. F. to appoint a committee to report on them within a year, and wait for the report, before spending any amount of money. Good things keep.

C. B. W.



SOUTH SIDE FLORAL CO., NEW CASTLE, IND.

Photo taken Christmas Week, 1897.

Alaska Carnation.

The illustration is of a house at the establishment of the South Side Floral Co., at New Castle, Ind., taken Christmas week. The white carnations are the variety Alaska with which the company has been very successful and which they find the most profitable of all the varieties they grow.

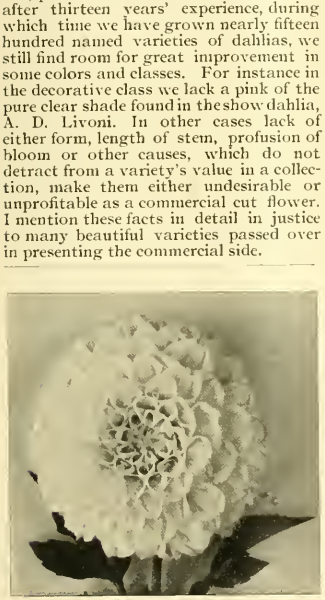
They use a heavy rose soil and planted the house with field plants the first week in August. They grow it cold with plenty of air. Night temperature is 50°–54° and an endeavor is made to keep the day temperature as near 60° as possible. The plants have been kept on the dry side and no feed used till January 1. Cutting was begun October 1 and the plants have been n constant and profuse flower ever since

Dahlias for Florists.

That the dahlia is the coming popular flower is evident by the events of the past few years. Flower lovers want something new continually and the cactus, decorative and improved types of single dahlias are not only new but surpassingly lovely. It is not, however, my intention to reiterate or dwell upon what all florists have learned from the recent course of events, but to give such information as will be of service to them.

The dahlia as a cut flower has its place, but of the hundreds, yes thousands of varieties, very few are profitable as commercial cut flowers. In dahlias, as in many other industries, there has been too much generalizing, and not enough explicit information. This I have learned from the hundreds of letters received during the past year, asking specific questions in addition to general information. Most prominent among these specific questions is the request for the best five, eight, ten or twelve, as the case may be, varieties of dahlias for "commercial cut flowers," "cutting," "design work," etc.

The decorative cactus class is undoubtedly the most valuable for artistic and finished effects. Pure clear colors and shades are also necessary, and no matter how beautiful an individual flower may be, its value to the florist as a cut flower is questionable if it does not present a bright refreshing effect in bouquets or decorations. Beside clear colors the flowers must have pleasing forms, long stems, if graceful and arching so much the better, and above all must be free bloomers. It is impossible to say which is the particular best flower for color, preference, etc., prevents. I will state, however, that after thirteen years' experience, during which time we have grown nearly fifteen hundred named varieties of dahlias, we still find room for great improvement in some colors and classes. For instance in the decorative class we lack a pink of the pure clear shade found in the show dahlia, A. D. Livoni. In other cases lack of either form, length of stem, profusion of bloom or other causes, which do not detract from a variety's value in a collection, make them either undesirable or unprofitable as a commercial cut flower. I mention these facts in detail in justice to many beautiful varieties passed over in presenting the commercial side.



DECORATIVE CACTUS DAHLIA—HENRY PATRICK.

Out of the large number of varieties I can safely name the following as the six best decorative cactus dahlias for cut flower purposes: Clifford W. Bruton, pure yellow; Countess of Pembroke, delicate lavender; Henry Patrick, pure white; Mrs. E. C. Monroe, creamy sulphur; Nymphæa, light shell pink; Wm. Agnew, intense dazzling red.

In the other classes the six best for cutting are as follows:



DECORATIVE CACTUS DAHLIA CLIFFORD W BRUTON

SIX BEST SHOW DAHLIAS.

John Walker, pure white; A. D. Livoni, pure pink; Pluton, pure yellow; Mrs. Dexter, rich salmon; Willie Garrett, bright red; Ruby Queen, ruby red richly shaded.

SIX BEST FANCY DAHLIAS.

American Flag, red and white striped; Frank Smith, maroon tipped white; Lottie Eckford, white spotted and striped purple; Miss Browning, yellow tipped white; Penelope, white flaked lavender; Uncertainty, variegated white to maroon.

SIX BEST POMPON DAHLIAS.

Catherine, pure yellow; Eleganta, pure pink; Fairy Queen, sulphur yellow, edged peach; Le Petit Jean, fine shade of red; Prince Charming, white tipped purple; Snowclad, pure white.

Beside their value as cut flowers there are other reasons why the thrifty florist grows dahlias. A collection of the best varieties has proved a most profitable investment to many small florists who first grew them as an ornament to their ground. For instance, with room for 100 plants, ten, twenty, even fifty or 100 varieties can be grown. It is not unusual to be able to cut from five to ten flowers from a plant at a single cutting. Hence the grower can dispose of a large number of cut flowers, beautify his grounds and dispose of all his surplus roots to his customers by taking orders at good prices while they are in bloom. In fact a florist in Massachusetts has to purchase one to two hundred roots each year in addition to his own stock to supply his local trade.

L. K. PEACOCK.

New York.

BRIGHTER BUSINESS OUTLOOK.—RECEIPTS OF FLOWERS GREATLY REDUCED.—CATTLEYAS AND VIOLETS OVERSTOCKED.—NOVELTY IN RETAIL DESIGN WORK SCARCE.—FLATBUSH TROUBLE.—A GLASS WAGON.—LOCAL NOTES.

The past week has seen increased activity in the cut flower trade, and the aspect is much brighter than at any time since Christmas. The better conditions are not entirely the result of increased demand but may be attributed in part to the decreased production, the effect of the previous warm dark weather which left the roses and carnations generally in an enervated condition. There is consequently a healthy demand for the quantity coming in and where the quality is all right prices follow suit. Cattleyas are too plentiful just now to make former prices possible and the buyers having become discriminating where but recently they were clamorous, it has become necessary to grade these flowers as is done in other lines, and so prices vary from $15 up to $35 per hundred with the outlook rather poor for the lower grades. Violets are also having considerable trouble on account of over-stock and conditions on these have not shown much improvement over those reported last week. This is the case, too, with lily of the valley and Roman hyacinths. Tulips are coming now in very good quality, with sleek well-filled flowers and stems sufficiently long, and as they are not yet too plenty the good ones are doing fairly well.

The retail establishments find an improved local and transient trade, and old customers are beginning to put in their appearance once more after the seclusion into which they seemed to withdraw after the holidays, but there are few dinner parties or social affairs of any magnitude as to the floral decorations. Nothing really novel has been evolved yet this season in that line, and, in fact, efforts in this direction are not always assured of appreciation even when they are the products of the customers' own ingenuity, and there is a disposition to fall back on the old-established but always safe, plain mound of flowers for a center piece. One florist tells of the discomfiture that followed his carrying out the plans of a would-be artistic customer as to table decoration. It was an oval table and a long narrow bank of green was constructed and a tank of water with gold fish was inserted in the center, but the resemblance of the whole affair to a casket, the tank answering to the opening in the lid, was such that the hilarity of the occasion received a rude shock.

Flatbush is in deep mourning, for George Huidmuller the frolicksome little spare-maker of the bowling club is about to move to Weehawken, N. J., where he has taken a position with Fritz Dressel. D. Y. Mellis recently entered a car carrying his favorite ball in a cover marked with his initials D. Y. M. which an impulsive passenger interpreted to mean dynamite and in two seconds Mr. Mellis was left the sole occupant of the car.

The annual dinner of the New York Florists' Club will take place at Muschenheim's Arena on Saturday evening, February 26th., instead of February 19th, as previously announced. Change of date was made because it appears that some members who would like to attend the dinner will be in attendance at the Chicago carnation meeting at the time originally set.

The most sensational florists' vehicle yet seen here has recently been put on the road by a new Columbus avenue firm. Roof, sides and ends are entirely of glass with the exception of a light frame work. It attracts considerable attention as it goes along and is all right unless it should encounter a bad boy with a stone.

H. H. Francis is sending mignonette of unusual beauty to John Young. Special fancy lily of the valley from Carl Jurgens sells for double price.

The Old Guard ball took place on Tuesday evening and was the cause of quite a demand for flowers.

Recent visitors: Bart. Cartledge and Robert Kift, Philadelphia.

Boston.

BUSINESS INTERMITTENT.—BULBOUS FLOWERS SELLING VERY SLOWLY.—CARNATION EXHIBITION.— ORCHIDS AT HORTICULTURAL HALL.—VISITORS.

Trade rather slow, with occasional spurts that develop brief periods of hopefulness alternating with longer periods of the other extreme, White flowers have just enjoyed a little boom—that is, white roses and carnations mainly for bulbous flowers, white or otherwise are very slow property at present. Violets, as before noted, move sluggishly and at prices low for the season. Mr Butterworth, Mr. Ewell and others of lesser fame who make bulb forcing an important part of their business assert that the aggregate sales of this stock, as it goes this winter, do not realize enough over and above cost of bulbs to pay for expenses of marketing.

The exhibition of carnations at Park street market on Saturday last was not as large as that made in December. The Ward collection was as usual a prime attraction. The "star performers" were Fisher's Mrs. T. W. Lawson, Blake's Bon Ton and Besold's Frances Joost, Patten's Klondyke, Witterstaetter's Evelina, Roper's May Whitely and Mayor Quincy, Tailby's Wellesley and a number of unnamed seedlings from these and other contributors all showed up well. D. B. Long sent a vase of Genesee but it was received in bad order and so was seen at a disadvantage. It is said that the next exhibition of the series is to be held at Horticultural Hall.

The attractive features at Horticultural Hall on Saturday were Odontoglossum Wardianum from Carl Blomberg and Cypripedium President McKinley from H. T. Clinkaberry for both of which certificates of merit were awarded, and a group of interesting orchids from J E. Rothwell, as well as promiscuous exhibits from a number of contributors. The lecture was on growing new vegetables, by Aaron Low.

Visitors in town: Chas. H. Allen, Floral Park, N. Y.; C. Besold, Mineola, N. Y.; C. W. Ward, Queens, N. Y.; C. Warburton, Fall River, Mass., and F. A. Blake, Rochdale, Mass.

Nashville. Tenn.

QUALITY OF ROSES IMPROVED.—HOW THE FLORISTS OF NASHVILLE LOST THE CONVENTION.—NO FLORISTS' CLUB.—CAPITALISTS IN THE COMMERCIAL MARKET.

Flower trade for the past two weeks has been looking up, and the supply has hardly been equal to demand. There have been many receptions and afternoons which has had the effect of quickening floral sales, and helping out the florist. The quality of all kinds of stock, especially roses has been greatly improved, though the supply is short, on all flowers. There has been no especial demand in funeral flowers though there is a little doing all the time in this branch. There has been nothing very striking or new in floral designs. One of the largest and handsomest pieces was made for an afternoon reception. It consisted of an American Beauty basket, in which eight dozen Beauties were used. The basket itself was the green and white "dish-rag," shaped something like a hat, and the roses completely filled it. It was much admired, and was supposed to have brought a small fortune, but only the florist and his customer know about that, with the assurance that the latter paid no more for it than she was obliged to, and the florist declared that he made nothing on it.

The genial Daniel MacRorie was here last week looking, as one of the florists put it, as "natural as life and about twice as large." He was in a very good humor, and reported a fine trade all through the southern country.

Mr. MacRorie tells a good one on the florists in this city, which explains to them how they lost the florists' convention of last year, during our Centennial Exposition. The managers of the latter were trying to gather in all the conventions meeting in 1897, and succeeded in making this the convention city of the year. The mayor, city council, chamber of commerce and exposition managers sent an invitation to the florists' convention to meet in this city. The letters of invitation were read before the convention and very favorably considered until some one asked if the florists of Nashville had invited them. All the letters of invitation were looked over and no florist's name appeared, and Nashville lost the convention, and now it seems that the florists themselves had instigated the invitation, worked up the interest, but had failed to add their own letters to those sent by city and exposition officials.

M. C. DORRIS.

Milwaukee.

Miss M. A. McKenney the Milwaukee street florist and Mr. Fred Davis her cashier are to be married in the spring. The heavy snow is causing some trouble but nothing serious. Two rafters in Whitnall Floral Co.'s house got tired holding up a drift and began to lower it, discovering it just in the nick of time saved a bench of adiantums a cold bath, but there is sure to be some disappointed florists throughout the state, who are calculating on flowers which will be on "snowed up" trains. Street car tracks are abandoned this evening. Many places of business closed before dark to let employees go home safely. C. B. W.

Rochester, N. Y.

FAVORABLE CONDITIONS.—TRADE STEADY.—PRICES AND QUALITY.—PLANT NOTES.—VISITORS.

Considerlng that no great social event which called for any lavish floral decorations were booked for the week, we must admit that trade has been uncommonly favorable for the disposal of all kinds of flowers, because no. overstock in any line could be noticed, notwithstanding the increased cut of our growers who were able to send in almost double the usual quantities of flowers, brought on by a few very bright days assisted by the almost continuous moderate weather. None of our retailers were exactly overburdened with work, but a steady demand for small lots cleared the market every day. Prices are fair and firm on all good stock.

In A1 roses the scarcity continues, select teas bring readily from $8 to $10, inferior grades from $5 to $6. Meteors are $10 to $15; few Beauties find their way to this market and these few go off at fancy figures. Carnations of the general run bring $1.50 to $2, fancy are sold at $3. Mignonette is still disposed of at $3, and violets being very plenty, have come down to $1 for the best. Callas are quoted at $1.50 per dozen and are a rather scarce article. Smilax is again improving; the inferior article in the market last week was sold as low as 6 cents, while now our supply from another source brings readily 15 cents. Valley is in good demand at $4. Paper White and Romans $3. Tulips in all colors are first-class, $4 is their present price. Heliotrope $2, and forget-me-not is 10 cents per bunch of a dozen.

In the plant department, things are not quite so satisfactory, sales are few and far between at present, though a goodly number and a great variety of first rate flowering stock is offered in nearly all the stores. Bulb pans and fern dishes are more frequently sold than high priced specimen plants.

Visitors: Arnold Ringier, representing Barnard & Co., Chicago, was in town and reports business as booming along his route, for a more successful trip he never made before. Walter Mott, the Dreer representative of Philadelphia also was in town and expressed the same favorable opinion in regard to trade condition in his section. J. B. K.

Philadelphia.

THE WEATHER.—PRICES REMAIN THE SAME. H. H. BATTLES HAS THE GRIP.

Tommy Butler, who once grew a house of fine Brunners, but has never since done it again, says in speaking about the protracted spell of bad weather that has been our lot during the month just closing, that it is nothing extraordinary, that we always have some kind of weather at this time of year Well, we suppose Tommy is right, but we notice that it does not take him long to go over his route these dreary mornings, and that other growers are in the same plight, and all agree that the weather is to blame for the trouble.

There seems to be enough stock to go around, however, although it is not allowed to stand long in one place, and little if anything is carried over from one day to another. Prices remain about the same, but the grading is scarcely done according to the liking of the storekeepers. Selected Teas are selling from $7 to $10, seconds $4 to $6. A few specials bring from $12 to $15. Beauties are scarce. Growers say they never cut so few flowers considering the number of plants under cultivation as at present. Prices are still about the same from $3 to $8 per dozen. Carnations are used up almost as fast as they come in, the majority now go for $1.50, a few select at $2, while some extras bring $3 and $4. New valley now comes in fairly well clothed and sells for from $3 to $4.

Daffodils are now here for the season and bring from $4 to $5. There is plenty of freesia at from $1.50 to $4. Violets are quite easy, and $1 is high for the doubles, extra Californias bring 60 to 75 cents. Business has been good considering that shopping weather has been so poor. Graham still continues busy with the large private balls. At a large dinner dance held in Horticultural hall last Wednesday evening the decorations were very elaborate. Cattleyas were as thick as dogwood blossoms in spring time and other choice flowers kept them company. Mr. Graham said it was one of the finest decorations they had ever had and their list is a very long one.

Asparagus Sprengerii is now asked for quite frequently although it is called generally the new asparagus, as Sprengerii is most too much for the ordinary customer. A man who can furnish this in quantity will certainly be in it for the next season or two at least.

Robert W. Greenlaw, the obliging representative of N. F. McCarthy & Co. of Boston has been with us the past week. He says that his firm's business has grown wonderfully the past few years and that they now furnish everything in fresh stock from flowers to made up f

designs, as well as every requisite used in the business. When Mr. McCarthy lived in this city we called him "Nic" for short, he was one of the boys, his fine baritone voice was always listened to with pleasure when called on for a song. His rendition of the "Heart Bowed Down" at one of the club dinners is still green in our memory, almost the entire company was moved to tears and proceeded at once to drown their sorrow with whatever was within reach. May we hear him again soon.

George C. Watson's shipping boxes for retail florists should be in the cellars of the storekeepers at all times. A box on hand when it is wanted is worth a dozen on the way. Many an express order has missed the train because ten or fifteen minutes was lost hunting up or making a box at the eleventh hour.

H. H. Battles has been laid up for the past two weeks with a bad attack of grip, he is slowly recovering but it will be a week at least before he will be out again. K.

Chicago.

BAD WEATHER.—ROSES SHORT.—FIRST SHIPMENT OF TULIPS.—MEETING OF THE FLORISTS' CLUB.—DEATH OF MRS. INE.

The weather clerk worked off on Chicago during the past week some of the worst samples in his collection. Rain, hail, snow, wind and cold. It is lucky for Chicago that it was only a stray lot of samples, and not in his regular Chicago stock, especially the wind. The greenhouses have been covered with snow and ice. Very few roses have opened. Less have been received at the commission stores this week than any other week this winter. On the other hand the weather was so disagreeable that very few customers ventured out to buy flowers, and retail trade has been nearly at a standstill, very little doing except an occasional funeral order.

Violets are plentiful and cheaper. Carnations in good supply. Roses of all varieties short, Brides and Maids are very scarce and bringing nearly Christmas prices. Tulips are plenty, many of them very poor; a few fancy ones find ready sale. Many of the poor ones find their way to the waste-box where they properly belong.

Klehm Nursery sent in the first shipment of their La Reine tulips last Saturday. Charles A. Samuelson purchased the lot. Charley is on the lookout for whatever is choice in the cut flower line.

Geo. Piepgras is receiving regular shipments of very fine lilac.

Lloyd Vaughan, of the firm of Vaughan, McKellar & Winterson, left here Wednesday night for the East on an extended business trip.

The meeting of the Chicago Florists' Club Thursday evening was very well attended; several new members were elected. Frank Leslie, who strayed away and was lost for a time among the lakes of Wisconsin, was taken back into the fold. P. J. Hauswirth reported what had been done by the committee appointed to make arrangements for the meeting of the Carnation Society, to be held here in February. The club was well satisfied with the arrangements made by the committee. The order of the evening was a paper by Joseph Reeves on growing potted plants. The subject was timely and well received. A very lively discussion followed the reading of the paper, participated in by most of the members present. All seemed to be alive to the fact that there was a growing demand for the better class of flowering plants, especially for the holidays.

Mr. Geo. Stollery gave an account of his trip to the East, which appears elsewhere in this issue.

Mr. R. Witterstaetter exhibited a vase of Evelina carnations which were much admired by all present.

The many friends of Leopold Ine, superintendent of the Bohemian Cemetery, will be pained to hear of the death of his wife. She was buried last Sunday.

St. Louis.

BIG DEMAND FOR ROSES AND STOCK SHORT.—CLUB NOTES.—PERSONAL MENTION.—BOWLING CLUB WELL ATTENDED.

There has been a big demand during the week for roses, carnations, etc. Receipts continue to be very light for this market and the dealers are kept very busy hustling around to secure enough stock for their orders. All growers report a very light cut as it is between crops. We all hope, however, that the bright weather we have had during this week, will have a tendency to produce a big cut for the coming week.

Beauties continue to be very scarce, not half enough received to go round. Kaiserin and Brides have been in good demand. Carnots are very scarce, hardly any arriving here, although the demand is strong for this flower. Bridesmaids are now coming in good shape and always find ready sale. Meteors are scarce, and very few fancy among the stock. Perles are more plentiful. La France are coming in better. Woottons are also arriving in good shape.

Harrisii lilies are more plentiful. Callas are scarce. Romans and narcissus have been bringing a better price lately. Southern daffodils and jonquils have made their appearance. Tulips also are showing up this week. California violets are cheaper. Double violets are neglected. Southern violets are plentiful.

Carnation receipts have been somewhat heavier this week, but there is a lack of fancy flowers among them. Most stock is coming in rather small and with weak stems.

The committee having the annual smoker of the St. Louis Florists' Club in hand report favorable progress and all things point to a much better time than last year which was considered pretty "hot stuff."

Messrs. Wilson, Connon and Lingenbrink, comprising the florist end of the Klondike expedition, started on their long journey this week, and all threaten upon their return to St. Louis with bushels of nuggets to open up some of the finest florist establishments in the country.

Mr. John Quinn, the popular North Grand avenue florist, reports business booming.

Mr. Ellis, of the Mound City Cut Flower Co., will be about again this week after quite a severe spell of sickness.

Mr. E. J. Bertermann, of the Bertermann Floral Co., Indianapolis, was in town this week and was kept busy calling on the trade.

There was a large attendance at the meeting of the Bowling Club Monday night and some good games were rolled.

A. J. B.

Cincinnati.

BUSINESS FAIR.—FLOWERS SOMEWHAT SHORT.—FURIOUS GALES.

Business the past week was fairly good, considering the weather, with rain and hail alternating, and cloudy weather for nearly two weeks. Flowers of all kinds are somewhat scarce; this applies especially to roses. Violets are more plentiful now and took a drop to 75 cents per 100.

On January 22 a furious gale, the heaviest known for years, swept over this city and vicinity, continuing for eighteen hours at the rate of seventy miles an hour. People were frightened at its intense velocity; trees and fences were blown down and much damage done to greenhouses. Up to this writing I have heard of but a few. B. P. Critchell's Sons and the Hoffmeister Floral Co. were among those who suffered most. At the western hills the wind assumed the proportion of a hurricane; it blew for twelve hours during the night with unabated fury. A chimney at my place was blown down, breaking glass and sash bars to the extent of 300 feet. Planning and remodeling will be on the programme this coming week.

Mr. Ch. Raynor, of Anchorage, Ky., was a caller. H. SCHWARZ.

Grand Rapids, Mich.

THE CLUB DISCUSSES VIOLETS.

The Florists' Club held a meeting January 18, at Henry C. Smith's on West Bridge street. Previous to meeting the members took pleasure in inspecting the greenhouses which are in fine shape, everything so neat and clean, and the plants healthy and vigorous. The rose houses were exceptionally fine.

Henry Van Velde read a paper on violets. Solid beds versus benches met a diversity of opinions, some preferring solid beds, others benches. The question: "Can they be grown under glass successfully all summer?" was answered in the affirmative, Crabb & Hunter having one bench grown in that way very successfully, although the method of removing the glass in summer is preferable. The soil used is two parts clay, one part black muck and one part cow manure; pot up runners in March and plant direct to the bench in June and July. Some claimed good success from planting in the field first. The sash should be put on from September 15 to October 1 in this locality, according to the weather, the temperature to be 40° to 45° at night, a little higher day time; in dull cloudy damp weather it is preferable to run the temperature as low as safety will allow, so as not to induce a soft growth of foliage which is weakening to the plants.

Geo. F. Crabb was elected reporter.

After a bountiful repast a vote of thanks was tendered Mr. and Mrs. Smith for their hospitality. GEO. F. CRABB.

Harrisburg, Pa.

There seems to be an impression abroad that Harrisii bulbs are deteriorating in quality, and that the diseased condition of the majority of the plants this season is chiefly due to this fact.

As a matter of course, complaints are expressed on all sides, some being inclined to blame the dealer, some laying the fault at the door of the bulb grower, while in the majority of cases both are denounced as unscrupulous fellows. Whether the fault lies with the one or the other, or with the grower himself, I shall not attempt to discuss. Suffice it to say that if an identical grade of bulbs coming from the same dealer is grown successfully in one place, and vice versa in the other, as I have had occasion to observe during my recent travels, there is something in the method of growing. At C. E. Taube's, for example, the Harrisii are in the pink of condition, strong, vigorous and healthy. What is

simply this," explains Mr. Taube, "I prefer starting my Harrisii late and keep them going rather than start them early, and then keep them back. The change of temperature, from a higher to a lower one, as is often practiced, is by no means conducive to the vigor of a Harrisii plant. It has been invariably my rule never to keep a plant in check, if once started, and the less so—by chilling it." That his rule seems to be of the right sort, the plants that I saw amply prove.

Social events of one sort or another have been the order of the day during the past two weeks, and the florists evidently have no "kick a-coming." The introduction of society buds in the gay capital of the keystone state generally means an increased demand for the florists' buds. Then the "grim harvester" comes in for his share. Funeral work was by no means scarce of late. HOMO.

Cleveland.

Business continues to demand all the good flowers coming in. The reason of this relation of supply and demand (as far as strictly local production is concerned) is to be found in a general and long continued underproduction rather than in any marked increase in quantity of flowers sold. Why this shortage should be so is not easy to explain entirely upon the theory of long continued dull weather, although that is undoubtedly a factor in bringing about such a situation.

Dutch bulb flowers are coming in in better quality and quantity and are now pretty fair in stem and general appearance. Double Von Sions are coming in also and are good, showing a full percentage of salable flowers. A few Dutch hyacinths, Norma, Charles Dickens (blue) and Blanchard are also seen. They are pretty fair in quality, but of course not so good as they would be with a little less severe forcing. In tulips the varieties are still the early forcers, La Reine, Yellow Prince and Proserpine mostly. They sell usually at from $2 to $4 per hundred, according to quality.

The Philadelphia carnation sport Victor has a counterpart that originated in town with H. A. Hart. At least Mr. Hart was the only one to realize the worth of such a departure of the usual Daybreak color. It has been interesting to note the actions of the two stocks under varying culture and conditions. Many growers claim (and apparently with good reason) that the two are identical in all their growing and blooming qualities; others with equal enthusiasm are sure that there is a decided difference in favor of the Philadelphia variation in the matter of blooming, both as to size and freedom. In some places both are to be seen doing equally well with Daybreak. With some neither seems to equal the parent. In one case the Philadelphia sport has outyielded both the local Victor and Daybreak. The flowers of the Philadelphia variety in this instance are very fine and in every way sustain all claims made for the variety; the Cleveland sport has, however, been marked for the slaughter. You pays your money, and takes your choice. A.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1898 will receive on request, a coupon for one five line want "adv." free, to be used at any time during the year.

SITUATION WANTED—By a first-class rose grower; 15 years' experience. Good references. Address D W, care American Florist.

SITUATION WANTED—By a competent store man, late with Freidman; reference given by Chicago wholesale florists. R A, care Am. Florist.

SITUATION WANTED—By an A No. 1 manager of wholesale or retail store; twelve years' experience in prominent cities. Correspondence solicited G, care American Florist.

SITUATION WANTED—By A-1 general cutflower grower; good decorator. Recommendations furnished; German American; 30 years old. Address Y G, care American Florist.

SITUATION WANTED—By an experienced gardener and florist, to take charge of private or commercial place; age 38, married. Best of references. CHICAGO care American Florist.

SITUATION WANTED—By first-class florist; ten years' experience in growing cut flowers and bedding plants. Address F W, care American Florist, Chicago.

SITUATION WANTED—A competent seedsman wants situation with a reliable seed house; can speak Dutch, German or English; correspondence solicited. H, care American Florist.

SITUATION WANTED—By practical florist and plantsman of experience. In commercial or private place, California preferred. First-class references. For particulars address A Z, care Am. Florist.

SITUATION WANTED—By practical florist of 17 years' experience, good cut flower grower, roses, carnations, etc. Competent to take charge; would work on shares. Reference and bond given. Address RELIABLE, care American Florist.

SITUATION WANTED—By a successful rosegrower having charge of rose houses for ten years, would take charge of same; best of references; age 31; married, no family Address P. MURRY, 67 Broomfield St., Boston.

SITUATION WANTED—By a thorough, practical florist and designer. A No 1 rose grower. Carnations, 'mums, violets specialties. Now disengaged; age 38. Good references. Address W H, care 164 E. Main St, Alliance, O.

SITUATION WANTED—By an American as foreman by one who understands rose growing and carnations (the latter preferred), also forcing of all kinds of bulbs. The best of references. Strictly sober. Address W H, care American Florist.

SITUATION WANTED—As foreman with some refined party by a practical grower of roses, carnations, violets, 'mums, palms, ferns and general stock, forcing of bulbs; a life experience; references O K. Address FOREMAN, care American Florist.

SITUATION WANTED—As foreman in cut flower establishment, mostly roses and carnations; must be up to date in conveniences; by all-round man, single, American, nine years' experience; don't use tobacco or drink; west preferred; good wages expected. References. ROSES, 2040 Cottage Grove Ave., Des Moines, Ia.

SITUATION WANTED—As foreman or manager in large commercial place by a first-class grower of roses, carnations, 'mums and general stock; life experience, married, age 36; has been foreman in large establishments for the past ten years; only reliable parties who wish a first-class man need answer; best of references Address ROSE GROWER, care American Florist.

WANTED—Seed and plant catalogues. Address B. F VANDERVATE, Galena, Ill.

WANTED—The address of Carl Jorgensen, Dane, Amager. Address L. JENSEN, South Butte, Mont.

WANTED—A quantity of second-hand sash, in good condition, size 3x6. Address W A, 196 Lexington St, Watertown, Mass.

WANTED—A few good half-tones sweet peas. Send list and prices to ERVIN UTLEY, 264 Westmoreland Ave, Toronto, Canada.

WANTED AT ONCE—A good man for palms, ferns and orchids. Send references H. F. HALLE 548 W. Madison St., Chicago.

WANTED—To lease for a term of years about 10,000 feet of glass; houses must be modern and in good location. J W D, care American Florist.

WANTED—For general greenhouse work, an active and reliable young man. Wages $20 per month and board; willing to increase wages if suited. Address H KADEN Gainesville, Tex.

WANTED—To know the whereabouts of Charles M. Weinz; was last heard of in Hillsbury. Will hear of something to his advantage. Address METEOR, 113 State st., Chicago.

WANTED TO EXCHANGE—A Bausch & Lomb Microscope, power 375 diameters; for Vinca major variegata. For particulars address THE ALCOVA GARDENS, Covington, Ga.

WANTED—A competent man for cut flower department and making up floral designs and bouquet work; also one that understands decorating and general greenhouse work. Apply CHARLESTON GREENHOUSES, 309 Meeting St., Charleston, S. C.

WANTED—Young man thoroughly experienced in the best class of retail florist business; must be first-class in window, table and wedding decorations, also design work. Apply with references, ability, etc., stating wages expected. J. H. DUNLOP, 445 Yonge St., Toronto, Can.

WANTED—At once, an A1 grower of roses and carnations, American; must have the best of recommendations; young man preferred and single; also a second man who understands growing and who would not object to working in store a few hours each day and attending to small palm house; one who can make designs and do decorations. Address AMERICAN care American Florist.

FOR SALE—One Alaska refrigerator in first-class condition. JOHN H. ORTH & CO., McKeesport, Pa.

FOR RENT—Seven greenhouses, stocked; dwelling and land, steam heat; convenient for Baltimore wholesale market, and fair local trade. Address MARYLAND, care American Florist.

FOR SALE—Retail florist store; established trade; good location; stock and fixtures; on account of health; at a sacrifice. O B N, 642 Marshall St., Philadelphia.

FOR SALE—Greenhouse plant of 5,000 feet of glass in Jamestown, N. D; price $1,500; ⅓ cash, balance may be paid in cut flowers. Address W. W. SEEKINS, 921 E 3rd St., Duluth, Minn.

FOR RENT—Greenhouse, 6,000 feet of glass on Main street; street cars pass the door; store and dwelling house connected with same place $35 per month. P. N. SOETCA, 1622 Cedar Ave., Cleveland, O.

FOR SALE OR RENT—About 15,000 feet of glass in a rapidly growing western city of 40,000 people; hundreds of towns and villages with no greenhouses in surrounding country; greenhouses are well built, well stocked and have the largest trade here, which can be greatly extended; owner has other business that requires all his attention. Nowhere in America is there a better chance for a florist with a little money than here. For full particulars address "BUSINESS," care American Florist

FOR SALE

or rent with privilege of buying—established greenhouse property consisting of four houses about 100x25 feet each; boiler house and pack rooms; 12-room modern dwelling, two acres land; 10 miles from Philadelphia, near R. R. station, steam heat; splendid chance for right party. JOS. T. SULLIVAN, Moorestown, N. J.

PIPE WANTED.

Second-hand Hitchings' or Wenthered's cast 4-inch pipe, 2,000 feet (or any part thereof). Give CASH price f. o. b.

J C, Station A, 79 Pine St., New Haven, Conn.

FOR SALE.

Greenhouses in one of the best cities in Wisconsin. A good investment and a money maker for a hustler. Owner must retire on account of poor health

For particulars write ELLIS & POLLWORTH, Milwaukee, Wis.

BUSINESS CHANCE.

A1 opportunity for practical grower. I wish to sell one-third or one-half interest in a well-established Florist Business in a live western city; 15,000 feet of glass, several acres of land, full equipment of plants, tools, teams, and local store at cheap rent. Present owner is not a practical florist, and must have a reliable grower who will take money interest and increase the plant to double present size. Can show fully the advantages of the place, on application. A reliable man can have easy terms on purchase. Address

"BUSINESS," care Vaughan's Seed Store, 84 Randolph St., Chicago.

Valuable Greenhouses FOR SALE

A Rare Opportunity—Seven Greenhouses in St. Louis County with or without stock, for sale cheap. Owner has other interests requiring all his attention. A bargain. For further particulars address

E. H. MICHEL,

Care of St. Louis Cut Flower Co....

1620 Olive St., - ST. LOUIS, MO.

Everybody is more pleased if you say "saw your ad. in the American Florist" when writing.

Buffalo.

BUSINESS STEADY.—EASTER QUESTIONS.—BIDS RE-OPENED FOR PARK CONSERVATORIES.—PERSONAL.

Business conditions remain about the same as last week, with perhaps rather more than the usual amount of funeral work to help out. Flowers are plenty enough and of good quality. Talk begins to run on the Easter question and the growers of lilies are considering the advisability of giving a little more or a little less heat, as the case may be. Tulips seem to go better this season than for several years past; possibly there are not so many grown this year. Rebstock is showing the finest tulips in the town just now, fine long stems and well colored.

I went out to Rebstock's Elmwood avenue establishment the other day, and had a good look around. There are lots of Easter lilies in sight there, and a very fine lot they are too. Very little of the disease was to be seen, in fact they are the best lot I have run across anywhere. A house or two of azaleas show that he is loaded for Easter, and the general run of stock was in good order. There have been great changes at this place since I was there last; two new houses have been added and a fine new office building has been erected facing the avenue. The structure is in the old English style of architecture, with the upper stories leaning towards Canada.

The only modification of the style is in having large plate glass in the lower part of the office windows. Altogether it is a very neat structure and well adapted internally for the purpose. Joe has the earliest asters in town, I think—nice dwarf little fellows in 4-inch pots, quite a novelty. I also noticed a new stable for the accommodation of the fast horses, which may or may not be a legitimate part of a florist's outfit.

Speaking of lilies generally, they are poor. Some of the boys have been badly hit this year. One lot that I saw the other day were more than half worthless from the disease. In fact with the exception noted above, I have not seen a decently clean lot of lilies this season. Very little encouragement to buy Bermudas next year.

There is no betting on how the conservatories at the Botanic Garden are coming out. I hear that the Park Board have for some reason re-opened the bids for the superstructure, rejecting everything heretofore accepted. It is to be hoped that the work will not be delayed much longer, or they will not be ready for the new century.

Mr. Walter Mott, representing Henry A. Dreer, of Philadelphia, was in town the last of the week. This is quite a change of programme on his part, as he usually figures to be in the sunny south during these midwinter days.

Park Commissioner Harry Balsley, of Detroit, made a visit also, primarily to look over the park system here, and incidentally to furnish whatever pots are needed in this vicinity. C.

San Francisco.

BUSINESS GOOD. — VIOLETS CONTINUE SCARCE.—OAKLAND TRADE EXCELLENT. —PERSONAL MENTION.

Business is good and prices are fair, roses still holding up to a very good figure, notwithstanding the fact that the quality is hardly as good as that of the past two or three weeks. Brides and Bridesmaids continue to be the leaders. Prices on the above named varieties range from 50 cents to $1 per dozen. Beauties are still scarce, and consequently the fortunate few who have them are obtaining fancy figures for their crop. Testout, which last season was a great favorite has seemingly fallen from grace and now is called for only occasionally. Perle and Meteor are fairly good and bringing good figures. Some very nice Cecile Brunner roses may be seen with some of the florists. This little rose is quite a favorite with the florists in this city, and enjoys a steady demand at all times. Some very excellent Belle Siebrecht roses are coming in from across the bay, and good figures are prevailing for them. Few, if any, Pierpont Morgan are to be seen this season, although last season there was quite a large supply of it, but it never brought paying prices, and consequently was discarded to a great extent by many of the growers. A person does not see as many Catherine Mermets now as formerly. Occasionally a few extra fine blooms come into the market.

Violets still continue scarce, that is, all the giant-flowered single varieties, such as California and the Princess of Wales. The cold spell has put quite a damper on them this season and I may add here that many of the plants not only have stopped blooming but have been killed entirely by the severe frosts. A few secluded spots have escaped injury, but these are not numerous. Marie Louise and Swanley Whites are of very poor quality, the stems being extremely short and the blooms off color. They are bringing from $1 to $1.50 per dozen bunches. Roman hyacinths are coming in rather freely, but the demand is small. There was quite a demand for narcissus and Chinese lily flowers, last week being Chinese New Year. Tuberoses were also much sought after by the Celestials during that time. Lilium Harrisii is still short with prices good. Smilax is in good demand and the stock scarce and of poor quality, being very short. Orchids, principally Cattleyas, can be had of a few of the leading florists. They are in good demand this season and the prices realized are very satisfactory.

Mr. M. Lynch is beginning the erection of a new rose house 25x150 to be devoted to American Beauties.

The California State Floral Society held a meeting on the 17th inst. regarding the flower show to be held during the great mining jubilee. They decided to co-operate with the California Club and to do all in their power to make the show a success. It will be held in Union Square and will last from the 27th to the 30th of the present month.

Mr. J. Seulberger, of Oakland, reports trade in that city as very good during the past week. He had several very large decorations.

Mr. L. Ford, formerly of Seattle, has resigned his position with Mr. R. D. Fox, of San Jose, and as yet is undecided as to his future movements.

The California Nursery Co. reports trade as very good. Their nursery contains 600 acres.

Mr. Chas. C. Navlet, of San Jose, was in town during the past week.

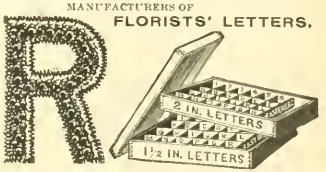
Work on the large Academy of the Sacred Heart, at Menlo Park, is progressing rapidly. The grounds are to be laid out in a very elaborate manner. Mr. A. B. Westland is in charge. METEOR.

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200,000 in cold frames of the Jennings finest strains; all extra No. 1 plants; large size, ready to bloom, $5.00 per 1000; extra medium size for cold frames, $4.00 per 1000. Extra 75c per 100 by mail.

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Roses, Beauties.....per doz.	3.00@6.00
" Brides	4.00@ 8.00
" Meteors, Bridesmaid, Kaiserin	4.00@10.00
" Perle, Gontiers	3.00@ 6.00
" Testout	4.00@ 8.00
" La France	5.00@10.00
Carnations, common	1.00@ 2.00
" fancy	2.00@ 6.00
Violets	.50@ 1.00
Narcissus, Romans	2.00@ 3.00
Harrisii, Callas	10.00@15.00
Valley	2.00@ 4.00
Tulips	1.00@ 5.00
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Roses, Beauty	15.00@50.00
" Brides, Bridesmaid	3.00@10.00
" Testout, Carnot, Meteor	4.00@12.00
" Morgan, Cualn	2.00@ 5.00
Carnations	1.00@ 2.00
" fancy	2.50@ 4.00
Valley	2.00@ 4.00
Hyacinths, Narcissus	.75@ 1.50
Mignonette	2.00@ 6.00
Violets	.35@ .75
Harrisii	8.00@10.00
Tulips	1.50@ 3.00
Smilax	6.00@ 8.00
Cattleyas	15.00@35.00
Cypripediums	8.00@10.00

BOSTON, Jan. 26.

Roses Beauties	8.00@50.00
" Perle, Niphetos	2.00@ 4.00
" Bride, Bridesmaid, Morgans	4.00@12.00
" Carnot Meteor	6.00@12.00
Carnations, ordinary	1.00@ 2.00
" fancy	2.00@ 5.00
Valley, Daffodils	3.00@ 4.00
Violets	.35@ .75
Hyacinths, Narcissus, Freesia	.75@ 2.00
Cypripediums	6.00@ 8.00
Smilax	8.00@12.00

PHILADELPHIA, Jan. 26.

Roses, Beauties, per dozen	3.00@8.00
" Teas, Brts	7.00@10.00
" " select	12.00@15.00
Carnations	1.50@ 2.00
Valley	3.00@ 4.00
Violets	.50@ 1.00
Narcissus	2.50@ 3.00
Hyacinths	2.00@ 3.00
Harrisii	10.00@12.00
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Consignments from regular growers assigned separate space in our market. We guarantee payment for all Flowers sold. Sales reported weekly; payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

J. K. ALLEN,

Wholesale Florist,

57 West 28th Street, near 6th Ave. Elevated R.R. NEW YORK,

BEAUTIES AND VIOLETS, SPECIALTIES.

Consignments Solicited.

JAMES M. KING

Commission Dealer in

CUT FLOWERS.

Cood Money for your Flowers.
Cooe Flowers for your Money.

49 WEST 29TH ST., NEW YORK.

TELEPHONE 1675 38th St.

THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street,
112 and 114 West 24th Street,

Telephone 733—18th. NEW YORK.

CONSIGNMENTS SOLICITED.

Specia Attention Given to Shipping Orders.

GEORGE A. SUTHERLAND,

Cut Flowers AND Florists' Supplies

WHOLESALE.

67 Bromfield St., BOSTON, MASS.

Wholesale Florists

ALWAYS ON HAND: CARNATIONS, BRIDESMAIDS, BRIDES.

JOBBERS IN FLORIST'S SUPPLIES.

N. F. McCarthy & Co.

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, - BOSTON.

GALVIN & CO.

Wholesale Florists

AND DEALERS IN ALL

FLORISTS' SUPPLIES,

4 Ordway Place, BOSTON, MASS.

Cut Flower Consignments Solicited. Best market.

JOHN YOUNG,

ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock.

51 W. 28th Street, NEW YORK.

Price list on application.

FRANK MILLANG,

CUT FLOWERS,

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange, NEW YORK.

WM. C. SMITH,

Wholesale Florist,

40 So. 16th St., PHILADELPHIA.

Consignments Solicited. Special attention given to shipping orders. Long Distance Telephone 5008 A.

THE AMERICAN FLORIST

Subscription $1.00 a Year. To Europe, $2.00.
Subscriptions accepted only from those in the trade.

Advertisements, 10 Cents a Line, Agate; $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

Sixty Years in Business.

The well known concern of Henry A. Dreer this year celebrates its sixtieth anniversary, and the happy event is marked by the publication of a beautifully illustrated account of the firm from its inception to the present day. The founder, Mr. Henry A. Dreer, died in 1873, after a brilliant and highly successful career, when the task of caring for the varied and important interests of the house devolved upon its present head, Mr. W. F. Dreer. It is hardly necessary to enlarge upon the splendid results which have attended the efforts of the latter gentleman. Our readers one and all know full well that the firm name of Henry A. Dreer stands for all that is best in the broad domain of horticulture, and we feel that every individual in the trade will commend the integrity of this honored house and join us in extending to it our heartiest congratulations and best wishes for continued prosperity in the years to come.

New Carnation Genesee.

Sample blooms of this new white carnation which D. B. Long, of Buffalo, is distributing, were sent to this office recently. They arrived in poor condition and an accurate judgment as to quality could not be had. The color is white, size medium and stem good.

Cut Flower Price Lists Received.

We are in receipt of cut flower price lists from the following firms: Kennicott Bros. Company, Chicago; W. A. McFadden, Cincinnati; Bassett & Washburn; Chicago; Holton & Hunkel Co., Milwaukee.

Lilium Longiflorum for Easter.

ED. AM. FLORIST:—"How large ought Lilium longiflorum to be now in carnation temperature to be in good shape for Easter?" L. MINN.

In reply to the above, the growth should not be smaller than from six to eight inches tall to insure flowers for Easter. When the buds are showing from one-half to one inch in length they will then stand a night temperature of from 65° to 70°. Florists who make a specialty of growing this class of plant for Easter may find it necessary to change the temperature several times between the time the buds show and and the week immediately preceding Easter. It requires close observation and keen judgment to get these crops in at just the right time, but it pays, and what little trouble may be deemed necessary should be entered into with a will and a determination to succeed, and the results cannot fail to be generally satisfactory. W. K. H.

Wholesale Flower Markets

CINCINNATI, Jan. 27.

Roses, Beauty select	30.00@40.00
" medium	15.00@25.00
" Brides	4.00@ 6.00
" Bridesmaids	5.00@ 6.00
" Meteors	5.00@ 8.00
" Perles	4.00@ 5.00
Carnations	1.50@ 2.00
" fancy	3.00@ 4.00
Valley	3.00
Romans	2.00@ 3.00
Narcissus	3.00@ 4.00
Violets	.75@ 1.00
Harrisii	12.50@15.00
Callas	8.00@10.00
Tulips	3.00@ 4.00
Smilax	12.50
Adiantum	1.00
Asparagus	50.00

ST. LOUIS, Jan. 27.

Roses, Beauties	15.00@50.00
" Meteors	5.00@12.00
" Brides, Bridesmaids	4.00@10.00
" Perles	3.00@ 7.50
" Wootton	2.00@ 6.00
" La France	5.00@10.00
" Kaiserine	4.00@10.00
" Carnot	6.00@12.00
Carnations	1.00@ 3.00
Violets, California	.50@ .75
" single	.20@ .25
Harrisii	10.00@15.00
Callas	10.00@15.00
Tulips	2.00@ 3.00
Narcissus, Romans	2.00@ 3.00
Smilax	10.00@15.00

BUFFALO, Jan. 27.

Roses, Beauties	10.00@50.00
" Brides, Bridesmaids, Meteors	5.00@10.00
" Perles	4.00@ 6.00
" Niphetos	4.00@ 5.00
" Kaiserin, Mermets	5.00@10.00
Carnations extra	2.00@ 3.00
" ordinary	1.00@ 2.00
Valley	4.00
Violets	1.00@ 2.00
Romans	2.00@ 4.00
Harrisii	15.00@20.00
Smilax	12.50@15.00
Adiantum	1.25@ 1.50

MILWAUKEE, Jan. 27.

Roses, Beauty	15.00@40.00
" Brides, Bridesmaids	4.00@ 8.00
" Perle	4.00@ 6.00
" Meteor, Belles	4.00@ 8.00
Carnations	1.25@ 2.00
Violets	.50@ 1.00
Romans	2.00@ 4.00
Valley	3.00@ 4.00
Freesias	3.00@ 4.00
Callas, Harrisii	12.50
Smilax	12 50

GIVE US A TRIAL. WE CAN PLEASE YOU.



ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK.

WM. F. KASTING WHOLESALE COMMISSION FLORIST....

495 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies and Wire Designs

W. A. MCFADDEN,

"Rosebank"

NEAVE BUILDING, CINCINNATI.

Producers and Shippers of every description of High Class Floral Supplies.

CYCLAMEN PLANTS.
JARDINIERE FERNS.

Quotations issued weekly, forwarded on request.

Say "saw your ad. in the Florist" when you write advertisers.

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.
☞ A complete line of Wire Designs.

MOUND CITY CUT FLOWER CO.
Wholesale Florists.
CONSIGNMENTS SOLICITED
Special attention given to shipping orders
1322 Pine St., ST. LOUIS, MO.

C. W. WORS
2740 Olive Street,
ST. LOUIS, MO.
FLOWERS at ....WHOLESALE....
.....ROSES, and a full line.
Headquarters for the South West .....
When writing mention American Florist

ST. LOUIS CUT FLOWER CO.
Wholesale Florists
E. H. MICHEL
1620 Olive St.
ST. LOUIS, MO.

H-L-SUNDERBRUCH CO
WHOLESALE COMMISSION FLORISTS
CONSIGNMENTS SOLICITED 4th and WALNUT Sts. CINCINNATI, O.
SPECIAL ATTENTION GIVEN TO SHIPPING ORDERS.

HOLTON & HUNKEL CO.
SUCCESSORS TO
The Wisconsin Flower Exchange.
Fresh Cut Flowers, Florists' Supplies
Manufacturers of WIRE DESIGNS
Consignments Solicited. Phone Main 874.
457 Milwaukee St., MILWAUKEE.



Asparagus Plumosus Nanus.
Strings 8 to 10 feet long,
50 CENTS.
W. H. ELLIOTT, Brighton, Mass.

A New Plan for 1898.

BURPEE'S SEEDS

are sold only in sealed packages.

Seeds of the best quality cost very much more to produce than do seeds of the ordinary commercial grade. And yet many merchants having little or no knowledge of the value of **High-Class Seeds**, purchase their supplies wherever they can be obtained the the cheapest.

It has been brought to our notice that some merchants will buy a bill of seeds from us, obtain copies of our catalogues and show cards and then purchase a portion of their supplies from other seedsmen, who, growing '*cheap seeds*," can sell at much lower prices. In many cases planters who purchased from their local merchants, thinking that they were obtaining **BURPEE'S SEEDS**, got only a few of our seeds (perhaps in packets), and otten the seeds bought by weight or measure were of inferior quality, falsely sold on our reputation, but for which we were not in any way responsible.

This deception was brought so prominently to our attention the past year that we debated seriously whether we should not decline altogether to sell **BURPEE'S SEEDS** at wholesale, and announce in THE FARM ANNUAL FOR 1898 that **BURPEE'S SEEDS** could be obtained only direct from Philadelphia. Further consideration, however, showed us that this would hardly be fair to the honorable merchants who had been handling our seeds exclusively for years, and in whom we could place confidence. Therefore we decided upon the plan announced below:

Hereafter we will sell Burpee's Seeds ONLY in sealed packages.

Packets and ounces, in the *Spangler Water-tight Bags*, are sealed as heretofore, and bear, plainly printed, either **our firm Name or Registered Trade-mark Monogram**, protected by United States Letters Patent. Quarter-pounds, pounds, pints and quarts, done up in paper bags or cartons, will have pasted across the top **a green label**, worded as follows:

REGISTERED W B TRADE MARK

BURPEE'S
Seeds That Grow
...For 1898...
Genuine Only if this Seal is Unbroken.

Seeds in Bulk,—that is, Peas, Beans, etc., by the peck or bushel, and large quantities of small seeds in bags, will have **each sack sealed with our Trade Mark on a leaden seal.** ☞This plan will be a protection to honest merchants from competition with other seeds claimed to be **BURPEE'S SEEDS**, and at the same time will be a guarantee to the purchaser.

Our Only Salesman is **our annual Catalogue.** We employ no travelers, but will quote prices by mail at any time.

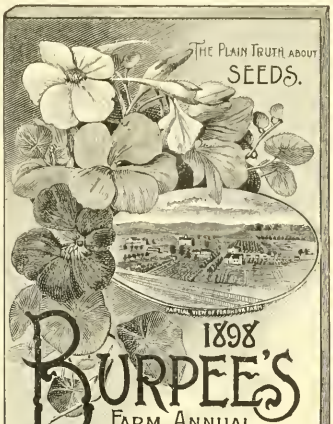
LARGE DEALERS WHO SELL ON THEIR OWN REPUTATION CAN BUY IN BULK FROM US, AS HERETOFORE.

As stated above, every sack leaving our warehouse will be sealed, but, of course, the contents, being in bulk, can be handled as desired,—except that they must not be sold as **BURPEE'S SEEDS, except in original packages.**

Burpee's Farm Annual

...1898...

THE LEADING AMERICAN SEED CATALOGUE



Mailed Free to Planters Everywhere.

A handsome book of 141 pages. Tells all about **the Best Seeds that Grow.** All the illustrations are true to Nature, and the descriptions have been written at FORDHOOK FARM, where we conduct the most extensive trial grounds in America. **It tells the Plain Truth about Seeds.**

Novelties for 1898.

Never before have so many First-class Novelties been introduced in any one year.

In VEGETABLES

Besides the long-keeping AUSTRALIAN BROWN ONION, introduced last year and still controlled by us, we introduce THREE NEW TOMATOES, each of distinct character and real merit, the GOLDEN EAGLE MELON, a new PEPPER from Japan, a new American LETTUCE, and offer, for the first time, the wonderful extra early wrinkled GRADUS PEAS at a moderate price.

In FLOWERS

Besides BURPEE'S PINK CUPID, which is sold in our original sealed packets by seedsmen all over the world, we introduce EIGHT OTHER NEW SWEET PEAS, WHICH CAN BE HAD ONLY DIRECT FROM US. Among other Exclusive Novelties, we would mention the WHITE DEFIANCE BALSAM, the giant-flowered SUNLIGHT and MOONLIGHT NASTURTIUMS, and the beautiful new PRESIDENT MCKINLEY PANSY, as of surpassing merit.

In PLANTS Besides the usual Novelties, we have two of our own exclusive introduction. These are the beautiful NEW DWARF GLORIOSA CANNA and the wonderful free-flowering BURBANK ROSE—the best of seventy-five thousand seedlings raised by the world-famous "WIZARD OF HORTICULTURE."

To Keep Abreast of the Times every one who gardens either for pleasure or profit, should read THE FARM ANNUAL FOR **1898**, which is brighter and better than ever before. Write TO-DAY! and you will receive a copy by return mail.

BURPEE'S BLUE LIST for 1898

has been mailed already to all **Florists** and **Market Gardners** who are upon our mailing lists. Any others can have it on application. It gives what are termed **"wholesale prices" to those who plant for profit.** The prices are considerably lower than in BURPEE'S FARM ANNUAL, but, of course, not so low as the **Trade Prices** quoted in

BURPEE'S RED LIST for 1898.

This **Wholesale Catalogue** for **the trade** is mailed **ONLY** to **dealers** who buy to sell again. It cannot be mailed either to florists or market gardeners who buy *only for their own planting.* ☞In applying for this catalogue you must enclose business card or other evidence that you are **a dealer in seeds.**

THUS WE HAVE TOLD THE STORY OF OUR

THREE CATALOGUES for 1898.

To which are **YOU** entitled? Every reader of THE AMERICAN FLORIST should certainly have one or more. ☞**ALL** have been mailed to our regular lists and if **YOU** have not received the right catalogue, **please write TO-DAY** and it will come by return mail.

W. Atlee Burpee & Co. Seed Growers Philadelphia, Pa.

Philadelphia From a Growers' Standpoint.

American Beauty roses are very scarce, so are other roses, but first-class Beauties appear to be the most scarce. Jos. Kift & Son used 500 at a farewell dinner on Monday evening last, 150 Cattleyas were also used; for the boutonnieres, Dendrobium nobile were used. Plants of Asparagus Sprengerii, Nephrolepis exaltata Bostoniensis and seventy-five 5-inch pot plants of Adiantum Farleyense were used in the decorations. This may not seem a lavish use of Farleyense for New York or some other cities, but it is not often that so many are used at one time in Philadelphia. It is good for the business. The ferns and asparagus plants were easily supplied by growers around this city, but many of the Beauties and cattleyas came from New York. It is to be hoped the prices will be kept up. The retailers ought to be willing to at all times pay good prices for flowers, because by their process of figuring the higher the price they pay for them the more money they make.

Carnations are plentiful. Victor is making a good many friends. Everybody who knows anything about it is speaking a good word for it. Hugh Graham is to be congratulated upon his good fortune in securing so valuable a prize. John Burton's "Gardenia Carnation" is commented upon favorably. It is a first-class variety from the English standpoint, that is to say, it is without serrations, as may be seen by the illustration on page 663 in last week's issue, and as seen growing at its home.

Would Asparagus Sprengerii pay to grow as the so-called smilax is grown and its nearer relative, A. plumosus nanus, upon strings? or is it destined only to be grown and used as a pot plant? I am inclined to think that it may, can and will be used both ways. Mr. Battles likes it as a green, and that speaks well for it. I have a few plants of it growing in a solid bed with American Beauty roses, and it is climbing all right.

At the meeting of the Florists' Club, which is to be held on Tuesday next, February 1, John Wescott will deliver an address upon "Desirable Flowering Plants for the Holidays," and it is to be hoped that plants suitable for that gay and festive occasion will be on hand for the purpose of illustrating the talk. Any person who has something useful that is not common should embrace this opportunity of drawing public attention to it. We are promised more of the newer carnations for this meeting also, and it affords an excellent chance for the members and their friends to look upon a good new variety, so everybody please forward what they may have worth showing, prepaid, to the secretary, Edwin Lonsdale, Horticultural Hall, Broad street, to reach there as early in the day as possible, so that they may be put into water and given an opportunity to freshen up a bit after their journey and before the meeting opens.

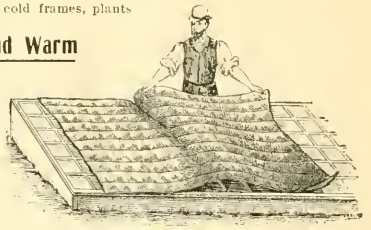
I am reminded on looking over plants of Begonia Gloire de Lorraine that your correspondent, S. Dale, was wrong when he made the statement that this hybrid is a mule, as apparently it is producing pollen grains and there were certainly some pistilate flowers present, but whether seed will be produced or not remains to be seen. We must patiently await developments.

Am favorably impressed with the somewhat new Browallia speciosa major for winter blooming. It is free flowering and the individual flowers are similar in form and color to a single violet. L.

Palmer's Hot Bed Mats

FROST PROOF

Made expressly for winter covering of hotbeds, cold frames, plants and seeds of all kinds.



Indestructible, Cheap and Warm

WILL not harbor mice or vermin. Easily handled. Dry out quickly after rain. Have now been in practical use three years. Cost less than old-fashioned straw mats and entirely take their place.

MADE IN FOLLOWING GRADES:

No 1—**Burlap Cloth**, filled with combination wool and quilted, seams 3 inches apart and edges firmly bound.

Size 40x76 inches, 50 cents each.
" 76x76 " 75 " "

Made any length, 76 inches wide, at 12 cents per running foot.

No. 2 **Duck Cloth** outside, filled and quilted same as No. 1.
Size 40x76 inches, $0.75 each.
" 76x76 " 1.00 "
Made any length, 76 inches wide, at 16 cents per running foot.

No. 3—**Waterproof**, made of oil duck, filled and quilted same as Nos. 1 and 2.
Size 40x76 inches, $1.00 each.
" 76x76 " $1.25 to $1.50 each.
Made any length, 76 inches wide, at 20 cents per running foot.

That these mats are a **much needed improvement** over anything heretofore used for the same purpose, is demonstrated by the large demand and many testimonials from prominent men in the trade. Everyone using Hot Bed Mats should give them a trial.

PATENT APPLIED FOR.

WE ALSO MAKE **QUILTED HORSE BLANKETS** the Cheapest, Warmest and Strongest in the World....

The R. T. Palmer Co.

Or New London, Conn. 113 Worth Street, NEW YORK.

Address all correspondence to The R. T. Palmer Co., New London, Conn. Agents wanted—pay good commission.





H. BAYERSDORFER & CO.'S

Seasonable Specialties:

CYCAS WREATHS. MOSS WREATHS.

FERNERIES AND JARDINIERES:
Norman Style in Sprays, Tinted and Delft.
Tuscan, in Sprays, Tinted and Delft.
Milan, in Sprays.

OUR LEADING NOVELTY:
LACE VIOLET HANDKERCHIEFS.

Wheat Sheaves and Immortelles.

The largest and best stock in America.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.,
50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

Mention American Florist.

HARDY CUT FERNS

$1.00 Per Thousand.



FANCY DAGGER

Do not order any ferns unless you are willing to pay this price as my stock is very limited and I have hardly enough now to carry my old stand-by customers to Easter.

L. B. BRAGUE, Hinsdale, Mass.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

REED & KELLER.....

Florists' Supplies

122 W. 25th St., NEW YORK CITY.

M. RICE & CO.

Importers and Manufacturers of

FLORISTS' SUPPLIES

25 N. FOURTH STREET,
.. .. PHILADELPHIA, PA.

FALL CATALOGUE NOW READY.

Never Fail to say "saw your ad. in the Florist,"

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

JEROME B. RICE, Pres.; E. B. CLARK, 1st Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

ONION sets are ruling from 25 to 60 cents per bushel higher.

THE executive committee of the American Seed Trade Association held their January session in New York city on the 21st and decided, as already stated in our columns last week, to hold the next annual meeting at Old Point Comfort, Va. Those present were, President J. B. Rice, Secretary S. F. Willard and Wm. Meggat, E. B. Clark, A. N. Clark, A. L. Don, W. H. Grenell, S. W. Woof, W. Atlee Burpee, C. L. Allen, Albert McCullough, Jas. Vick.

NEW YORK.—News in the seed trade is scarce. Most all are engaged in preparing for the rush that they hope will come. Southern business is holding out quite satisfactorily. The wholesale garden seed trade is suffering, apparently from overproduction. Green pod beans are being offered as low as $1 a bushel, and even this ruinous figure brings but few takers, most of the larger houses being sellers. There is undoubtedly much '95 and '96 stock in first hands and with the large yield in most items for '97 the congestion does not show any signs of abatement. There has been no profit in the wholesale trade for the past three years and it is not surprising that certain houses have abandoned it. Unless the situation improves radically soon there will be few left as wholesalers pure and simple. Firms with a local trade among farmers, truckers and amateurs have undoubtedly had the best of it lately and are probably the only ones that can show a good balance on the right side of the ledger. Murmurs are heard in reference to the recent meeting of the executive committee of the Seed Trade Association, it being said that no practical steps for the general good of the seed trade were suggested, most of the time being taken up in the discussion of minor matters and the need of a broader spirit is keenly felt. Visiting New York: Albert McCullough, Cincinnati, O., and Henry C. Johnson, Los Angeles, Cal.

On Tuesday night, January 25th, thieves got away with the handsome brass letters on the windows of Vaughan's Seed Store on Barclay street. Several neighboring stores were deprived of their signs in like manner.

The Free Seed Distribution.

A well-known horticulturist contributes the following valuable suggestion for the seed trade columns of the FLORIST: "I think that a little earnest effort would induce Secretary Wilson to see that by sending collections of flower seeds and flowering bulbs to school districts who would promise to plant them in the school yard and take proper care of them, he could do far more than by the present system of free seed distribution. They could be sent as coming from the Department of Agriculture at the request of the congressman, and it seems to me that there would be far more political advertisement and advantages in the whole school district knowing that Senator Buncomb had sent them some fine flower seeds for their school yard, and being reminded of it by the flowers, than by one or two or a dozen receiving seeds which most of them did not care for.

Some ten years ago, the Michigan Horticultural Society distributed to district schools which applied for them, such collections, and the good done is in some cases evident to this day. In an instance noted last summer, I believe the sale of flower and vegetable seed in the district is five times what it would have been but for the interest started by the school garden which was the result of one of these donated collections of seeds sent ten years ago."

Free Seed Distribution Again.

Hon. Asbury C. Latimer, of South Carolina, introduced the following bill in the house last Friday, relating to the distribution of seeds, trees, bulbs, and so forth.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled: That all seeds, trees, bulbs, shrubs, vines, cuttings and plants purchased and propagated by the Secretary of Agriculture, as required by law, shall be distributed to the agricultural experiment stations and colleges in the several states and territories, and all seeds, trees, bulbs shrubs, vines, cuttings and plants propagated by the agricultural stations and colleges in the several states and territories of the United States shall be distributed to such persons as shall request the same; and the sum of $2,000 shall be alloted to each state and territory, to be paid to the agricultural stations and colleges for the purpose of growing and purchasing seeds, trees, bulbs, shrubs, vines, cuttings and plants for distribution, as aforesaid, and to pay the expense of such distribution.

Sec. 2. That the seeds, trees, bulbs, shrubs, vines, cuttings and plants distributed by the Department of Agriculture and the agricultural stations and colleges under the provisions of this Act shall be transmitted in the mails of the United States free of charge of postage.

Sec 3. That all acts or part of acts inconsistent with this are hereby repealed.

The above was referred to the Committee on Agriculture and ordered to be printed. REYNOLDS.



RAFFIA New consignment just arrived by Str. Maine. Having purchased on a very favorable market, and wishing to move the stock quickly, make the following special low quotations for prompt orders:

In bale lots (about 225 lbs.) at 8c
100 lbs. or over at..... 9c
50 lbs. or over at..... 10c
25 lbs. or over at..... 11c
10 lbs. or over at..... 12c
Less than 10 lbs. at 15c per lb., f. o. b. Phila.; net terms and subject unsold on receipt of order.

☞ This exceptional opportunity for buying a supply of fine quality at a low rate should not be neglected. All commissions, large or small, will receive the same careful attention.

Grafting Wax

Trowbridge's celebrated Grafting Wax, the genuine article, 1 lb. bars at 19c; ½ lb. bars at 20c; ¼ lb. bars at 21c per pound. Rebates: 10 lb. lots, 5 per cent; 25 lb. lots, 10 per cent; 50 lb. lots, 15 per cent; 100 lb. lots, 20 per cent.

G. C. WATSON,
Juniper, below Walnut, - PHILADELPHIA.

BURPEE'S
SEEDS
PHILADELPHIA.
Wholesale Price List for Florists and Market Gardeners.

CLUCAS & BODDINGTON CO.
Importers and Exporters of
Seeds, Bulbs & Plants,
501 TO 503 W. 13TH ST.,
NEW YORK CITY.
Send for quotations on all Florists' Bulb Stock.

E. F. C. YOUNG, Pres. V. P. SNYDER, Vice-Pres.
JOS. D. BEDLE, Sec'y. R. S. FOWLER, Treas.
S. M. PEASE, Gen'l Mgr.
The Cleveland Seed Co.
Contract Growers of
Peas AND Beans
and General
JOBBERS IN SEEDS.
Cape Vincent, N. Y.

EXTRA CHOICE FLOWER SEEDS.
List free on application.
FRED. ROEMER, Seed Grower,
" " Quedlinburg, Germany.

NIKOTEEN
IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE
DOES NOT INJURE THE MOST SENSITIVE PLANTS - ENDORSED BY PROMINENT FLORISTS - USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT - 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN ~~~ CIRCULAR FREE
SKABCURA DIP CO. CHICAGO.
Kill AND SAVE the BLOOMS Bugs!
QUICKLY DOES IT.

PALM Seed. FRESH ON HAND

	per 100	1000	3000
PANDANUS UTILIS	$1.50	$12.50	
LATANIA BORBONICA	.50	3.00	$7.50
ASPARAGUS PLUMOSUS NANUS (true)	1.50	12.50	35.00
ASPARAGUS COMORIENSIS	1.50	12.50	35.00

J. L. SCHILLER,
404 E. 34th St., NEW YORK CITY.

FLORISTS FERTILIZER
Made from VIRGIN NIGHT SOIL by steam process — NOT Adulterated. Complete Fertilizer. Soluble, quick in action. Combines all the Elements for Nutrition of Plants. Pleasant to handle.
STANDARD FERTILIZER CO. Inc.
1822 Filbert Street, PHILADELPHIA.

THE BEST FOR ALL Florists' ROSE LEAF EXTRACT OF TOBACCO INSECTICIDE
FOR SALE BY SEED STORES
FOR FREE PAMPHLET WRITE TO
LOUISVILLE SPIRIT CURED TOBACCO CO
LOUISVILLE KY

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Syracuse, N. Y.

It is pleasing to chronicle business is still good; the usual run of social functions have called for large quantities of flowers and decorations. The Knights Templars' ball gave an unusual stimulus to business. The custom of carrying instead of wearing flowers was very noticeable at this grand affair; while Beauty roses and violets predominated, large bunches of Daybreak carnations and Maid roses were greatly in evidence.

We are experiencing the same exceptional mild weather for the time of year as many others; it may not be seasonable, but it has been extremely pleasant for those who had decorative work, and at the same time transient trade over the counter has been greatly augmented by it, at least that is our experience here.

The supply of flowers has been good, with hardly enough to go around, up till now, when roses are beginning to get scarce, many houses being off crop. However, bulbous stock is coming in and helps materially to fill up the gap. Daffodils are fine, and, the same as last year, are favorite flowers, retailing at from 75 cents to $1 per dozen. Tulips, now being longer stemmed, find a readier sale, fetching 75 cents per dozen.

Last year it was yellow and pink all the while, no reds at all. Owing to these circumstances, but few reds were ordered for this year, but there is the mistake; everything since Christmas has been red—red teas and so forth are the go. Valley is exceedingly good, but it does not go so well as formerly. Violets are plentiful and the price has dropped to retail at $1.50 per 100. Harrisii are scarce, but callas are plentiful and have an unprecedented demand. ALPHA

Worcester, Mass.

With plenty of sunshine and the temperature not too low, we are getting plenty of good flowers.

Von Sion and Trumpet Major narcissus are now coming in in good salable condition, and tulips in a greater variety of colors and plenty of stem. Lily of the valley has improved a great deal, and is now moving much better than earlier in the season.

Trade started in rather slowly the first of the week, but steadied up by the middle and is running very smoothly at the present time, with nothing extraordinary in sight. A. H. L.

THREE NEW CALIFORNIA SWEET PEAS

Originated by M. Lynch, Menlo Park, Calif.



THE BRIDE

THE BRIDE This beautiful large, white-seeded variety is the best White Sweet Pea to date. It is a pure white selection from Mrs. Eckford and is the strongest germinator among all the white-seeded varieties—so often poor growers. Grown for the cut-flower market of San Francisco in competition with the other high class whites, it has brought the highest figures over them all, taking first rank among all the whites. The flowers are pure white of fine substance, large and of true grandiflora type. Beside this every seed will grow. Perfect flowers were cut as early as April 16 last year. Price, per lb., $2.00; 1-4 lb., 60c; oz., 20c; pkt., 10c.

The Cornell Bulletin in naming the best Sweet Peas of each color, classes The Bride first as a white, with Emily Henderson second and Blanche Burpee third.

Frank Pellicano, a leading florist of San Francisco, stated: "We can sell more Bride Sweet Pea blooms than those of any other variety which we have ever handled."

Prof. Tracy, in a recent review of some of the newer Sweet Peas says: "The especial merit of this variety (The Bride) is in its length, strength and grace of flower stem, and the disposition of the blooms thereon, being one of our best sorts in these respects, and forming an exceedingly graceful bunch."

EMILY LYNCH The earliest of all Sweet Peas. Sown alongside of Extra Early Blanche Ferry it was in bud in 69 days, while the latter showed no sign of buds at that time. It blooms two weeks earlier than Extra Blanche Ferry. The standard is pink, shading to bright rose, wings buff suffused with pink. Grandiflora style. A great advance on Duke of York. Price, 1-4 lb., 60c; oz., 20c; pkt., 10c.

CALIFORNIA This is the best "self-color" in soft pink, of the shade of Daybreak Carnation, the lightest self among all Sweet Peas. The form and size are perfect. Rev. W. T. Hutchins says of it: "It is different from all our other self-pinks and a good thing." Price, 1-4 lb., 60c; oz., 20c; pkt., 10c.

Mr. Lynch has sent us his entire stock which we offer to the trade as above.

14 BARCLAY STREET, NEW YORK. VAUGHAN'S SEED STORE, 84 & 86 RANDOLPH STREET, CHICAGO.

THE ALBERT DICKINSON CO.

DOMESTIC AND FOREIGN

GRASS SEEDS

FOR

Parks, Tennis Courts, Lawns, &c.

In fancy 1 and 2 pound packages and bulk.

SPECIAL PRICES TO THE TRADE.

CHICAGO, ILL.

SEEDS LAWN GRASS $12.00 per 100 lbs.

Finest Quality Ever Offered Retails @ 30c. lb.)

J. CHAS. McCULLOUGH, SEEDSMAN,

RECLEANER AND JOBBER GRASS SEEDS.

North-East Corner Second & Walnut Sts., Cincinnati, O.

Send for Illustrated Catalogues.

Please mention the American Florist.

JOSEPH BRECK & SONS, CORP'N.

GROWERS OF

Peas, Beans and Sweet Corn

JOBBERS AND DEALERS IN

GARDEN SEEDS

Wholesale Catalogue Now Ready OF ALL KINDS

18 N. Clark St., CHICAGO.

NEW · GIANT · ESCHSCHOLTZIAS,

"THE GOLDEN WEST."

50c pkt., $8 oz.

New Giant Fancy Cosmos, six splendid varieties, separate, $1 oz.; Giant Cosmos, splendid mixed, 65c oz.; Calliopsis "California Sunbeams," $1 oz. Special rates given on Cosmos in quantity; Apple Geranium, fresh, $1 per 1000 seeds; New Large Flowering Zonale Geranium, $2.50 oz.; Ipomæa, "Heavenly Blue," $1 oz., $12 lb.; Laurustinus grandiflora, $1 oz.; Zinnias, "New Curled and Crested," 50c oz.; $5 lb.; Nasturtium Good Venture Mixture, 60c lb.; $8 per 15 lbs.; Seaforthia elegans (Palm) 40c per 100 seeds, $3 per 1000 seeds. Send for trade list of Seeds, Plants, Bulbs and Cacti.

MRS. THEODOSIA B. SHEPHERD, Ventura-by-the-Sea, Cal.

Always mention American Florist.



TOKIO NURSERY CO.

Headquarters for

JAPAN LILIES, CYCAS REVOLUTA, PLANTS, SEEDS, ETC.

Write for Catalogue.

Tokio Nursery Co., KOMAGOME, TOKIO, JAPAN.

Cable Address: "NURSERY CO. TOKIO."

Do Not Buy Carnation Cuttings

At a less price than it costs to grow them and expect good stock. Our prices are as low as good stock can be sold for.

White Cloud, Gold Nugget, Empress, Mrs. Frances Joost, Wellesly, Conch Shell, Psyche, Painted Lady	$2.00 per doz., 10.00 per 100, 75.00 per 1000.
Daybreak	$2.00 per 100; $18.00 per 100
Jubilee	3.50 per 100; 30.00 per 1000
Eldorado, Meteor, Bridesmaid	$2.00 per 100, 15.00 per 1000
FLORA HILL, C. A. Dana, Victor, Morello, Mayor Pingree	$5.00 per 100, 40.00 per 1000
Nivea, Edith Foster, Jahns	$3.00 per 100, 25.00 per 1000
Alaska, Scott, McGowan	$1.50 per 100, 12.00 per 1000
Triumph, Mrs. McBurney, H. Keller, Armazindy	$2.50 per 100, 20.00 per 1000

H. F. LITTLEFIELD, Worcester, Mass.

EVELINA

Is the grandest mid-winter carnation extant. This is the unanimous opinion of all who have seen it growing and predict for it a grand future. Surpasses Wm. Scott.

Send your name and address and receive illustrated and descriptive price list of Evelina.

R. WITTERSTAETTER, Sedamsville, O.

Los Angeles, Cal.

Heavy rains continuing over several days have greatly improved matters in this locality, but sharp frosts followed, making the air decidedly chilly and sharp.

Redlands and Riverside and vicinities were treated to a genuine snow storm. It was a rare sight to see the orange trees laden with their wealth of golden fruit, and the branches bending and many breaking under the over burden of their mantle of snow. The temperature was above freezing and the only damage was the breaking of the branches.

The Board of Horticultural Commissioners of Los Angeles county report that under their orders and supervision more than 700,000 citrus trees have been fumigated during the year. The cyanide process has been used exclusively and gives great satisfaction. Some of our florists and nurserymen are experimenting with the process to cleanse all stock from scale and mealy bug.

The seed business is showing a decided improvement since the rain and the dealers are correspondingly happy.

The Germain Fruit Company have recently exported 25,000 pampas plumes. This company are the largest dealers in plumes on this coast.

Mrs. M. B. Boyce, one of the leading growers of Santa Monica, will only confess to two white frosts this winter.

The University Farmers' Institute, under the auspices of the University of California, had a three days' meeting in Los Angeles on January 3, 4, 5, conducted by Prof. A. J. Cook, of Pomona College. Much valuable practical information in relation to fruits and flowers was disseminated.

A visit to the floral stores shows ready sale for all good stock that is brought in.

H. McTier in charge of the famous Gould place at Santa Barbara was in the city attending the Farmers' Institute as a delegate.

Mr. J. H. Ross, of the Park Nursery Co., Pasadena, has been incapacitated for two weeks with a boil in the ear. One of the firm says he is afflicted with a swelled head since that city made such a great show at the Tournament of Roses.

Sweet peas (I mean the blooms) are for sale at some of the stores this week.

D. R. W.

Tailby's New Scarlet Carnation

3,500 Rooted Cuttings

SOLD AT THE EXHIBITION IN THE BOSTON FLOWER MARKET LAST SATURDAY

"Wellesley"

The most brilliant colored and prolific Carnation of the day. Unequalled for Constitution, Habit of Growth, Stem and Calyx. Flowers measure from two to two and one half inches across. Is is endorsed by the Leading Boston Florists. The blooms sold for $8.00 per 100, wholesale, at Christmas.

Rooted Cuttings Now Ready: $2 per doz.; $10 per 100; $75 per 1000.....

CASH WITH ORDER OR SATISFACTORY REFERENCE.

J. TAILBY & SON, = Wellesley, Mass.

Kathleen Pantlind

DAYBREAK x SCOTT.

Price $1.50 per 12; $10.00 per 100, $75.00 per 1000.

Premium—5 Red Wave with every 100 Kathleen Pantlind.

IS a much more substantial flower than Daybreak; color a shade or two darker and entirely rust proof. Can be seen at Vaughan, McKeller & Winterson's every Wednesday and Saturday.

HOPP & LEMKE,

Paul P. O., E. GRAND RAPIDS, MICH.

FIREFLY

A RUST PROOF CARNATION FOR BUSINESS.

Bright scarlet and *POSITIVELY RUST PROOF.* As productive as Scott. Rooted Cuttings Feb. 15th, $10 per 100, $75 per 1000. Send for descriptive list of Firefly and fifteen other novelties of '98, fifteen varieties of '97 and older standard sorts.

GEO. HANCOCK & SON, - GRAND HAVEN, MICH.

NATHAN SMITH & SON

Wholesale Florists

Specialties: CHRYSANTEMUMS, CARNATIONS AND VIOLETS.

ADRIAN, MICH.

• • • CORRESPONDENCE SOLICITED • •

Mention American Florist.

50,000 Flat-Grown CARNATIONS

STRONG STOCK.

	per 100	per 1000
Daybreak	$2.00	$15.00
Scott	2.00	15.00
Rose Queen	2.00	15.00
Tidal Wave	1.50	12.00
Portia	1.50	12.00
Rob Roy (new)	10.00	
Jubilee	3.00	
Snow Queen	10.00	
Silver Spray	1.50	12.00
L. McGowan	1.50	12.00
Eldorado, Meteor	2.00	
Flora Hill	5.00	
Triumph, Armazindy	3.00	
Pluto, new, and Uncle Sam, new, both varieties	10.00	

Cash with order. HENRY A. NIEMEYER, Erie, Pa.

Please mention American Florist.

Pittsburg.

BUSINESS FAIR AND PRICES LOW.—KLONDIKE FEVER AMONG FLORISTS.—CHANGES IN THE SEED TRADE.

Trade continues in a fairly good condition and is generally satisfactory, taking everything into consideration; stock of all kinds, with the exception of roses, is abundant, and of good quality, and prices low enough to command a much larger trade than is being done. Roses are selling, retail at from $1.50 per dozen up; carnations, 35 to 50 cents per dozen, very fine ones bringing more. Tulips, freesias and narcissus 50 cents. Lilies from $1.50 up; violets 50 cents per bunch up.

It is reported among the trade that one of our heaviest firms, growers, have the Klondike fever very strong, and are seriously contemplating the advisability of selling out and going there this season.

Mr. John Muchi, of Sharon, Pa., is sending some fine carnations to market here and this week he sent to Mr. Gustave Ludwig several specimen of seedling carnations white, yellow, yellow pink-edged and a very dark red that have more than ordinary merit, none of them are named as yet. Mr. Ludwig reports trade fair, this week he has secured the order for two decorations at the Willard Hotel for the annual banquet of the Medical Society and also the "Elks" of that place, being one of the latter himself, he will know how to place the stag's head in the proper position.

Messrs. C. Beckert & Co., 95 Ohio street, Allegheny City, flour and grain merchants have bought the fixtures, drawers, etc., of the seed department of Mr. Dell and will open a complete seed department at once with a full assortment of new fresh seeds. They have been selling a few seeds for about three years but will now be able to supply any quantity in full variety of farm, garden or flower seeds; the firm is A1 in every way and will no doubt do a large business in the new venture.

Mr. Wyland of De Haven, suffered the loss of having his barn unroofed on Tuesday night, the big wind storm of Saturday night started it and the second one finished the job by removing it; beyond a few trees, no other damage was done; his greenhouses fortunately were not injured at all.

Mr. Wm. J. Boas, representing Edwards & Docker, Philadelphia, was a visitor this week. REGIA.

Poughkeepsie, N. Y.

The annual meeting of the Dutchess County Horticultural Society was held at the court house on Wednesday afternoon, January 12. Officers for 1898 were elected as follows; President, George Saltford; vice-president, Herman Asher; treasurer, Jas. S. Sloan; secretary, A. A. Loughren. Auditing, exhibition and essay committees were appointed and matters connected with the exhibition for next fall were discussed at length.

The annual dinner took place in the evening at the Nelson House. The tables were lavishly decorated and in all respects the occasion was a notable success. President Saltford in his address stated that there are now 123 members enrolled and that although the exhibitions have not been profitable financially, the society is in a prosperous condition and has a balance in the treasury. Other speakers were Patrick O'Mara, R. E. Connell, John I. Platt, F. L. Atkins, C. B. Weathered and C. J. Reynolds, and T. J. MacPherson sang several songs.

Caladiums.

An inquiry is received as to how to keep caladiums from rotting. L. Minn, the inquirer, states that he has been keeping them in a basement on dry sand away from drip in a temperature of about 50°. The temperature in which they have been kept is entirely too low. They should never be subjected to a lower temperature than 55°, and 60° is better. The best way to do now is to remove all the decayed parts and apply pulverized charcoal to the wounds, and place them in as high a temperature as is indicated above. It is a mistake to keep them too dry when at rest, but since they have developed a tendency to rot moisture applied now might accelerate the trouble. Bury them in dry sand in a 60° temperature and await developments. Examine them occasionally to ascertain whether the rotting tendency has ceased or not; if it has, all is well; if not, it will be difficult to save them. Hereafter when a caladium shows a tendency to go to rest in the autumn, allow it to do so gradually by withholding water at longer intervals each time, but do not keep them entirely dry or they will rot in the center. The low temperature is at the bottom of all the trouble of rotting in this case, I feel sure. L. E.

MENDOTA, ILL.—Samuel Edwards, the widely known nurseryman and horticulturist, died January 24. He established the "Evergreens" in Lamoille in 1854, had been president of the State Horticultural Society and a writer of note on nursery subjects.

LA GRANGE, ILL.—Mr. Frank Nielsen has removed from Riverside and now has three greenhouses at this place.



If you have not received our Wholesale Price List send us your business card and we will mail a copy.

SPECIMEN AZALEA.

DREER'S "SPECIAL OFFER" OF EASTER FLOWERING STOCK

AZALEAS

We are carrying in stock an immense quantity of Azaleas for Easter forcing; the plants are in good condition and finely set with buds; the varieties we offer are only the best commercial sorts.

As these plants can be more safely shipped when in bud, we wish to impress the importance of early orders. We will not be responsible for injuries arising from late shipments when the buds are developed.

	Size in Diam.	Per Doz.	Per 100
5-in. pots, nice bushy crowns	10 to 12	$5.00	$40.00
6 " " " "	12 to 15	9.00	70.00

WE CAN FURNISH THE FOLLOWING VARIETIES ALL GRAND

SPECIMEN PLANTS

BERNHARDT ANDREAS ALBA,	20-inch	diameter crowns	$2.50 each
" " "	30	" "	10.00 "
A. BORSIG,	36	" "	10.00 "
DEUTSCHE PERLE,	20	" "	2.00 "
DR. D. MOORE,	24	" "	3.00 "
EMPRESS OF INDIA,	18	" "	2.00 "
PUNCTULATA,	26	" "	3.00 "
SIMON MARDNER,	18	" "	2.50 "
VERVÆNEANA,	18	" "	2.50 "
MME. VAN DER CRUYZEN	16-inch at $1.00;	18-inch at $1.50;	20-inch at 2.00 "
" "	22-inch at $2.50;	24-inch at $5.00;	28-inch at 7.50 "

Pot-Grown Lilacs for Forcing.

Fine pot-grown plants, bushy and covered with buds, Charles X, and Marie Lagraye, 50c each.

Metrosideros Floribunda. Bottle Brush.

We have a fine lot of both tree and bush shaped plants of this useful plant, in fine shape for forcing for Easter.

Bush shaped plants with 12-inch bushy crowns, $1 each.

Standards with stems 20 inches high and 12 to 15 inch crowns, $1.50 each.

Acacia Armata.

A pretty spring flowering variety which produces its flowers in globular heads from the axils of the foliage in such a manner as to completely envelope the plant in a pleasing light yellow; an excellent plant for Easter forcing, succeeding under the same culture as the Azaleas. We offer a fine lot of well-budded specimen plants in 7 and 8-inch pots, 26 to 30 inches high, $2.00 and $2.50 each.

See our Flower Seed "Ad" in this Number.

HENRY A. DREER, 714 CHESTNUT ST., PHILADELPHIA, PA.

Indianapolis.

TRADE STEADY.—BAD WEATHER.—THIEVES VISIT THE STORE OF A. WIEGAND & SON.

Since my last report the store trade has been steadily increasing, and is now reported very satisfactory; on Market also a very decided improvement is noticeable. In consequence the grower finds ready sale at fair prices for his flowers.

Every florist if he is an owner of glass, has been on needles on account of the extraordinary weather we have had. Even the traditional oldest citizen can not remember anything like it in January. The wind blowing a gale at the rate of 55–58 miles an hour for at least twelve hours, then sunshine for a day or two, followed by a thunderstorm, then another gale as bad as the first one, and to cap the climax, the announcement of a cold wave.

As present indications are that very little building will be done this year, the man with the clear cypress lumber has poor prospects in Indianapolis.

Mr. Chas. Schafer, of Chicago, paid a visit to Indianapolis florists on Monday. He spoke very interestingly about his houses and his way of growing carnations. Mr. Schafer admired the clean appearance of the buildings in our smokeless city.

During the night from Sunday to Monday thieves paid a visit to the store of A. Wiegand & Son, entering the store through an adjoining greenhouse. The only things taken were three overcoats and several pairs of trousers out of an anteroom; but to judge from the way they searched drawers and scattered papers around, they were after more valuable things. Their search was in vain, however.

Mrs. Chas. Rieman who grows Albertini for the first time this year, is very enthusiastic about this carnation in general, and particularly so about a lighter colored sport of it, that happened to be among the lot she bought. This reminds me, that at the state meeting show of last week the judges awarded the certificate for the best pink to a vase of Albertini, which goes to show that in spite of many good pink carnations of more recent introduction, Mr. Dorner's old favorite is still decidedly in it.

Some of the florists are making up a party to pay a visit to the South Park Floral Company, in New Castle, to see how this company grows those magnificent cut flowers they exhibited at our last two shows. F.

SALT LAKE CITY.—The Florists' Society held its last meeting at the offices of the Hubbard Floral Co.'s greenhouses. There was an unusually large attendance. Mr. James Williams of the city cemetery read an interesting paper on the leading varieties of spring flowering plants, which was followed by a general discussion on topics of interest to gardeners and florists.

PORTSMOUTH, N. H.—Robert E. Capstick was married to miss Mary A. Quinlan on January 20.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.
When writing mention the American Florist.

PALMS and FERNS

The Largest Stock of PLANTS IN THE WEST
GEO Wittbold
1708 N. HALSTED ST
CHICAGO

Adiantum Farleyense
BEAUTIFUL PLANTS,
In 5-inch pots, at $9.00 per dozen.
EDWIN LONSDALE, Wyndmoor,
Money Order Office, Station H, Phila. | Chestnut Hill, PHILADELPHIA, Pa.

A FEW LARGE
Pandanus Utilis and...
Latania Borbonica
8 to 12-inch pots. Write for sizes and prices.
John Welsh Young, Germantown, Pa.

ROSE HILL NURSERIES,
JUST ARRIVED!
Cocos Weddeliana $7.50 per 1000. 5000 lots, $36.00.
SIEBRECHT & SON. New Rochelle, N. Y.
New York Office, 409 Fifth Avenue.

The New Imperial Violet.
Perfectly healthy, very dark green foliage, makes few runners, flowers royal purple, on long stiff stems, exquisitely fragrant, very prolific and the most enormous double flowers ever seen on a Violet. A splendid keeper and shipper; not over two doz sent to any one order. Price $2.50 per doz. Plants by mail. Address the originator
W. L. MINOR, Brockton, Mass.
Come and see the most superb lot of violets ever grown

VERBENAS
Rooted Cuttings, 25 of the leading kinds, 60c per hundred, free delivery. I will give good count. Cash with orders.
S. D. BRANT,
THE CLAY CENTER FLORIST. CLAY CENTER, KAS.

FEBRUARY OFFER.

	Per 100
Alternanthera, Yellow, $1.50; Red	$2.00
English Ivy	3.00
Begonias, 5 var	3.00
Oxalis Floribunda	2.50
Ceraniums, 16 Var., 2-in. pots	2.50
Pansy Plants	1.00

CASH WITH ORDER
JOS. H. CUNNINGHAM, Delaware, O.

GALAX LEAVES AND LEUCOTHOE SPRAYS...
Green and Bronze. Of all wholesale florists—or write the Introducer for free samples and information.....
HARLAN P. KELSEY,
150 Tremont Building. - BOSTON, MASS.

Do the American Florist a small favor. Mention the paper when writing advertisers.

Palms,
Pandanus Veitchii,
Ferns and Araucarias,
IN ANY QUANTITY.
JOHN SCOTT.
Keap Street Greenhouses,
.... BROOKLYN, N. Y.
Mention American Florist.

ROBERT CRAIG
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Street, PHILADELPHIA, PA.

SPECIALTIES
IN BEST VARIETIES.
ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.

FERNS...
In fine assortment, from 2½ in. pots, $3.00 per 100; $27.00 per 1000.....
CHAS. T. DARLING, Stony Brook, L. I., N. Y.
Mention American Florist.

LAST CALL
FOR CHANGES IN OUR
New Directory....
6th EDITION
If you have moved, changed firm name, commenced business, or built new houses since Jan. 1, 1896, tell us about it.
AMERICAN FLORIST COMPANY,
324 Dearborn Street, Chicago.

Judges' Scale of Points.

NEW YORK FLORISTS' CLUB.

The point system of judging is in force at exhibitions of the New York Florists' Club. The scales given below have been adopted by them for 1898, and should be of interest to those having to do with similar exhibitions:

DECORATIVE AND MADE UP WORK.

Novelty in design	15
Artistic arrangement	45
Harmony in color	30
Quality of material	10
	100

FRUITS AND VEGETABLES.

Quality	50
Size	20
Color or finish	20
Other points	10
	100

MANUFACTURED ARTICLES.

Utility	30
Durability	20
Simplicity	25
Cheapness	25
	100

CUT FLOWERS.

Size	10
Form	20
Substance	20
Color	20
Stem	10
Foliage	10
Rarity	5
Fragrance or other quality	5
	100

POT PLANTS.

Size	10
Cultural perfection	30
Foliage	15
Effectiveness	15
Rarity	10
Desirability for general culture	20
	100

COLLECTIONS.

Number of kinds	25
Rarity	25
Cultural perfection	15
Correctness of nomenclature	15
Desirability for general culture	20
	100

Grafting Belle Siebrecht Rose.

L. Minn complains that his Belle Siebrecht roses are not vigorous and wishes to know if in the absence of Manetti stock on which to graft this rose he could root-graft on the briar. We will presume he means the English dog rose (Rosa canina). The claim is made by some of the English and other European rosarians that this briar as a stock suits the less vigorous roses best, of which "Belle" may be classified as one, on which to work them; then again in some quarters it is believed that this briar has a predisposition to take a rest in winter, which, if true, is a serious drawback when the object in view is roses for winter blooming. My own private opinion is that the variety grafted (the scion) has as much, if not more, to do with the inclination to rest as has the stock upon which it is grafted. The best Belle Siebrecht that I have heard of have been those grafted on the Manetti and growing in a solid bed. This rose, like most hybrid teas, is subject to black spot, and if it can be kept clear of this malady fairly good returns may be looked for even when grown on its own roots. It should be grown in a temperature of not less than 60° at night, and 2° or 3° higher will do it no harm. L.

Carnations Chrysanthemums

NEW AND STANDARD VARIETIES

Our new Trade List will embrace the leading novelties of 1898 and 1897 as well as the best standard sorts. Address

H. WEBER & SONS, - Oakland, Md.

NEW CARNATION

"Mrs. S. A. Northway"

A soft shell pink, developing to nearly pure white.

OUR MASTERPIECE.

We shall commence shipping soon.

Orders booked **now** and filled in **rotation.** . . . .

PRICE: PER 100, $10.00. PER 1000, $75.00.

Newer Geraniums.

Mme. Bruant, Mme. Jaulen, Fleure Poitevine, J. Sallier and J. Ricaud. Fine stock from 2¼-inch pots, $5.00 per 100. ROOTED CUTTINGS, $3.00 per 100; $25.00 per 1000. Net cash.

GENERAL LIST OF GERANIUMS.

A superb stock in quality and variety of all the finest sorts, from 2¼-in. pots, **named**, $25 per 1000; **unnamed**, $20 per 1000. ROOTED CUTTING, $12.50 per 1000. Net cash.

Fuchsias.

A grand lot of summered-over stock in small pots that will make early blooming plants, $3 per 100.

W. P. SIMMONS & CO.

Make the following statement to the readers of the American Florist.

As originators and introducers of
"Silver Spray,"
"Tidal Wave,"
"Daybreak,"
and "Rose Queen,"

each of which has, we believe, proven even better than we claimed for them. We NOW say for 1898 that

"Mrs. S. A. Northway"

possesses all the good points that go to make up a first-class and profitable cut flower sort, and that we introduce it with even more confidence than we did the others.

It is an extra strong grower.
It is free from rust or disease.
It is a profuse bloomer.
It has exceedingly strong stiff stems.
It is of exquisite form full and double.
The flower is high built, petals serrated.
The calyx does not burst.
It is delightfully fragrant (a quality lacking in many new ones.)

OUR PRICE LIST now ready, contains prices on many other plants. SEND FOR IT.

W. P. SIMMONS & CO., Geneva, Ohio.

THE MICHEL PLANT AND BULB CO., St. Louis, Mo.

...OFFER...

Greenhouse and Bedding Plants.

	per doz.	per 100.
Alternantheras, 5 best varieties, stock plants, 3-inch pots	.60	$5.00
3 plants in a pot, 2-inch pots	.40	3.00
Asparagus Plumosus, 3-inch pots	2.00	15.00
" " 4 "	3.00	25.00
Chrysanthemums—Golden Wedding, H. Ilsman, Ivory, H. Sunderbruch, Major Bonnaffon, The Queen, Viviand-Morel, and many others, strong, 2½-inch pots	.50	3.50
Citrus Otahelte, dwarf orange, 2-inch pots	.50	4.00
4-inch pots	2.00	
5-inch pots	3.00	
6-inch pots	4.00	
Cyperus Alternifolius, umbrella plant— 2-inch pots	.40	3.00
3 inch pots	.75	6.00
4-inch pots	1.50	
6-inch pots	3.00	
7 inch pots	4.00	
Ferns, in assortment— 2-inch pots	.50	5.00
" " 3-inch pots	1.25	10.00
" " 4-inch pots	2.00	15.00
Sword Ferns—Nephrolepis Exaltata— 2½-inch pots	.75	6.00
" " " 3-inch pots	1.25	10 00
" " " 4-inch pots	2.00	15.00
" " " 5-inch pots	3.00	
" " Cordata Compacta—2½-in. pots	1.25	10.00
3-inch pots	2.00	
4-inch pots	3.00	
" " Nephrolepis Bostoniensis— 4-inch pots	2.00	15 00
Geraniums—a very choice assortment of 40 varieties— 2-inch pots	.50	3.50
3-inch pots	.60	5.00
4 inch pots	1.00	7.00
Hydrangea Otaksa— 5 and 6-inch pots	3 00	
Roses—a nice assortment of Teas, send list of wants for prices—2, 3 and 4-inch pots		
Selaginella Emiliana— 2½-inch pots	.50	4.00
3 inch pots	1.00	8.00

HARDY SHRUBS.

	Per doz.	100.
Hydrangea Paniculata, extra heavy, 3-year	2.00	15.00
Hibiscus Moscheutos, herbaceous, 2-year	1.00	7.00
Magnolia Glauca, extra	9.00	
Calycanthus Florida, 2-year, extra	2.00	
Clematis Paniculata, 2-year, extra	2.00	
Yucca Filamentosa	1.00	

BULBS AND ROOTS.

Amaryllis Formosissima	.75	6.00
" 2d size	.50	4 00
" 3d size	.25	2.00
Cannas, dry roots—Chas Henderson, Florence Vaughan, Mme. Crozy, Paul Marquant, Paul Bruant, Metallica, Queen Charlotte, Austria, Italia, Pres. Carnot; strong roots	.50	4.00
Dahlias assorted, strong roots	1.25	10.00
Ismene Calathina, fine strong roots	1.00	8 00
Madeira Vine, roots	.25	2.00
Paeonias, fine assortment	2.00	15.00

LATANIA BORBONICA
Fan Palm.

4-inch pots	3.00	25.00
5-inch pots	5 00	40.00
8-inch pots, stronger	6.00	

Send orders to....

ST. LOUIS CUT FLOWER CO.

1620 OLIVE STREET,
ST. LOUIS, MO.

The American Carnation Society.

The next meeting of this society will be held in Chicago, February 17 and 18, 1898. The headquarters of the society will be the Auditorium hotel, they having given us a rate of $3 per day on the American plan and $1.50 per day on the European plan. This rate is, considering the standing of the Auditorium, a very low one, and we can congratulate ourselves on being thus favored.

Mr. J. T. Anthony has been appointed superintendent of the exhibition, and all inquiries regarding space and other matters pertaining to the exhibition should be addressed to him at 318 Wabash avenue, Chicago. All shipments of flowers are to be made to the same address, and they must all be prepaid in full.

The exhibition and the meeting will both be held in the Auditorium hotel, and with such an efficient man as Mr. Anthony at the head of the exhibition, it will certainly not be the fault of the Chicago Florists' Club if the coming meeting and exhibition are not the best in the history of the society.

For entry cards and premium lists address the secretary, Albert M. Herr, Lancaster, Pa.

Signed: W. N. RUDD, President.
Attest: ALBERT M. HERR, Sec'y.

BUY YOUR ROOTED

Carnation Cuttings

THAT ARE

GROWN FROM EXTRA FINE HEALTHY STOCK.

Alaska, McGowan, Albertini, Scott, Keller.	$ 2.00 per 100.
Triumph, Daybreak, Jubilee	$15.00 per 1000.
Armazindy	$ 3.00 per 100.
McBurney, Flora Hill, Mayor Pingree	$ 4.00 per 100.
	$ 5.00 per 100.

"Best stock" is cheapest. We took most all the carnation prizes at the recent St. Louis show.

SOUTH PARK FLORAL CO.
NEW CASTLE, IND.

Experiences
...WITH...
CARNATIONS

Ready now. Send me your address on a postal and receive them regularly, during the season.

ALBERT M. HERR,
.....LANCASTER, PA.

Rooted Carnation Cuttings

Ready Feb. 1st.
All orders will be filled in rotation. Send your orders in now.

M. A. Hunt Floral Co. Terre Haute, Ind.
P. O. Box 235.

	Per 100
Wm. Scott	$1.50
Lizzie McGowan	1.50
Daybreak	2.00
Albertini	1.50
Alaska	1.00
Rose Queen	1.50
Bridesmaid	2.00

THE NEW CARNATION **Cerise Queen**

The best dark pink we have seen or grown.
Orders booked now. $10 per hundred.

Mayor Pingree FINE STOCK.
$5.00 per 100. $40.00 per 1000.

JOHN BREITMEYER & SONS,
DETROIT, MICH.

WANTED Carnation growers to look into the merits of
NEW CARNATION "ARGYLE"
and be convinced that it is the coming commercial variety of its color.
READY MARCH 1st. Price, $2.00 per dozen; $10.00 per 100; $75.00 per 1000.
Send for circular for full description and a select list of money makers in Chrysanthemums.
STOLLERY BROS., Argyle Park, CHICAGO.

Anybody Can Grow **Genesee** NEW COMMERCIAL WHITE
Originators: HARMON & BURR, Darien, N. Y.
Carnation
For Prices, Circulars, etc., address
DAN'L B. LONG, Sales Agent, BUFFALO, N. Y.

New **CARNATIONS.**

WHITE CLOUD—White.
GOLD NUGGET—Yellow.
NEW YORK (Ward)—Bright cerise pink.
MRS. JAMES DEAN (Ward)—Clear silvery pink.
JOHN YOUNG (Ward)—White.
BON TON (Ward)—Scarlet.
Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1000.
We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Pyche (Hill), Painted Lady (Hill), and Mrs. S. A. Northway (Simmons).
All good 1897 novelties and other standard varieties at reasonable prices.

New **Chrysanthemums.**

MRS. C. H. PEIRCE—Yellow.
35c each, $3.50 per doz., $25.00 per 100.
SNOW QUEEN—White.
50c each, $5.00 per doz., $35.00 per 100.
MERRY CHRISTMAS—Late White.
35c each, $3.50 per doz., $25.00 per 100.
Send for Descriptive Price List.
Ready January, 1898.

F. DORNER & SONS CO.
LA FAYETTE, IND.

CARNATIONS
STRONG, HEALTHY ROOTED CUTTINGS
Ready Feb. 1st and Later
Including Morello, Flora Hill, Daybreak, Wm. Scott, Lizzie McGowan, Ivory, Silver Spray, Emily Pierson, Goldfinch, Eldorado, and others. Send me a list of what you want and get prices before you buy. We also have a fine lot of Carnation and Violet blooms for sale. Write for prices. Address
CHAS. CHADWICK,
Lock Box 11. GRAND RAPIDS, MICH.

It is good business policy to mention the American Florist when you write to our advertisers.

ROOTED CUTTINGS

ROSES.

Bridesmaid, Brides, Perles, La France, Meteors, Kaiserin	$1.50 per 100, $12.50 per 1000, Cuttings.

CARNATIONS.

William Scott, Nancy Hanks, Tidal Wave, Portia, Lizzie McGowan, Kohinoor, Daybreak, Emma Wocher	$1.00 per 100, $7.50 per 1000.
Meteor, Goldfinch, Lizzie Gilbert, Harrison's White, Brideameid, Nivea	$1.50 per 100, $12.50 per 1000.
Jubilee	$25.00 per 1000.

No order for less than 100 of one variety accepted
FINE ROSE PLANTS
From 2½-inch pots. Ready February 15th.
REINBERG BROS.,
51 Wabash Avenue, CHICAGO.

50,000 ROOTED CUTTINGS

CARNATIONS
Daybreak, Rose Queen, $1.25 per 100, or $10.00 per 1000; H. Keller, W. Scott, Thos. Cartledge, $1.00 per 100, or $7.50 per 1000; Lizzie McGowan, 75c per 100, or $6.50 per 1000; Harrison's White, Victor, $2.00 per 100, or $15.00 per 1000

CHRYSANTHEMUMS
Two-inch pots.
Major Bonnaffon, $3.00 per 100, or $20.00 per 1000; The Queen, Pink Ivory, $3.00 per 100, $20.00 per 1000; President Smith, Eda Prass, $2.00 per 100, or $15.00 per 1000.

VIOLETS
Marie Louise, $6.00 per 1000; Double Alyssum, 2-inch pots, 75c per 100. Cash with order or satisfactory reference.
PAXTON GREENHOUSES,
C. E. Taube, Prop. Harrisburg, Pa.

BAKER'S
NEW CARNATIONS.
Grown and tested five years.
ONEIDA—Pure pink, healthy; no rust; continuous producer; largest size bloom.
RED JACKET—Bright red, fine stem and calyx; continuous cropper. $10.00 per 100.
Orders booked now to be filled in rotation as fast as rooted.
C. F. BAKER, Utica, N. Y.

Providence, R. I.

Not long since your correspondent, in company with several other gentlemen, upon invitation visited Mr. S. J. Reuter at his place in Westerly, R. I. We were met at the station by the genial host and taken to his home, where a repast was set before us. After an hour of social intercourse we were shown about the place, where we had the pleasure of discussing and contrasting the merits of the several varieties of carnations, roses and violets he grows. Mr. Reuter has thirty-one houses all equipped with modern improvements, and everything neat. The two new rose houses were especially fine and the plants in perfect condition. We could see why everything that comes from his place was A1 and always in demand.

A seed imposter of German extraction is among us again. He has succeeded in victimizing several people about here. One story he tells is that he is a member of a big seed house in the west and spending a vacation for his health, and to pay expenses is introducing this choice seed. He represents the plant perfectly hardy, blooming profusely, a beautiful white and pink flower, very attractive, etc. He displays the seed in a small bottle and has a magnifying glass to show you that there is no deception. He sells any quantity you may desire, but always insists on amounts exceeding 50 cents. The seeds are all right and every one will germinate, and whoever plants them will have as nice a batch of clover as they ever saw. He is a man about 50, medium height, dark complexion and fond of his pipe and other good things, and his make-up would be a good sign for a fifth-rate beer saloon.

Mr. Sidney Barker, of Barrington, R. I., takes the palm on violets. An eye witness said that a silver half dollar would not cover some of the blooms he is picking.

Wm. Butcher reports unusual activity in the line of funeral work for the past few weeks. LITTLE RHODY.

PEORIA, ILL.—J. C. Murray had the decoration for the Clark reception at the Woman's Club last week. It was perhaps the most elaborate affair ever seen at this club. The decorations were palms, rubber and other plants, asparagus, smilax and wild smilax. The only color used, outside the supper room was poinsettia bracts. The supper table decorations were principally American Beauties.

MAMMOTH VERBENAS

Verbena Seed, 100 Colors, up-to-date, per oz., $1.00
Coleus, 2½-in. pots, 10 best bedders, per 100, 1.00

Send for price list now ready of Carnations, Geraniums, Feverfew, Salvias, Coleus, Cannas, and Gynura or Velvet Plant.

The Morris Floral Co.
MORRIS, ILL.

CINERARIAS

FROM BEST STRAINS.

2¼-inch pots.....per 100 $2.25
3½-inch, strong plants.....per 100 $6.00

V. A. SCHNEIDER, Lancaster, O.

100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants, $2.50 per 100; $20 per 1000. Rooted Cuttings, 75c per 100; $6.00 per 1000; $50 per 10000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.
Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

50,000 SMILAX by mail, 50c per 100, $4.00 per 1000.

GERANIUMS mixed, from 2 in. pots, $2.25 per 100, $20.00 per 1000.

Send for samples.
Cash with order. FRED BOERNER,
CAPE MAY, N. J.

When writing mention American Florist.

VERBENAS.

The finest collection in America, 35 varieties, every one a gem—mammoth size, striking colors, green as grass and as clean as a whistle. Strong plants, out of 2-inch pots, full of cuttings, $1.50 per hundred; rooted cuttings, 60 cents per hundred, $5.00 per thousand.

STRICTLY CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

CHRYSANTHEMUMS.

STOCK PLANTS FROM BENCH.

Marion Henderson, Montmort, Ivory, Pink Ivory, Queen (white and yellow), Wanamaker, etc. Also a large collection of the best Ostrich Plume varieties. All $1.00 per dozen; $5.00 per hundred.

CHAS. L. MARSHALL, 67 Merrimac St., Lowell, Mass.

Mention American Florist.

GERANIUMS THAT WILL PLEASE YOU.

S. A. Nutt, Beaute Poitevine, La Favorite, Heteranthe, 2¼-in. pots, per 1000 $25 00.

Cash with order please.

H. R. CARLTON, Willoughby, O.

JUST FOR FUN

ONLY A FEW FIRST CLASS	Doz.	100
Sanseviera zeylanica, Strong plants	$1 00	$7 00
Begonia Rex, variety, large plants, 5-inch pots	75	5 00
Begonia, Flowering, extra fine plants, 4-inch pots	75	5.00

Specimen plants, Geranium La Favorite, 6-inch pots, 20 cts. each. Cash with order. Come quick.

MCDONALD & STEELE,
109 S. Washington St., Crawfordsville, Ind.

PELARGONIUMS

From 2-in. pots at $4.00 per hundred; 12 of the leading varieties. Mixed varieties, $3.00 per hundred. I will give you your money's worth. Cash with order. Write to

S. D. BRANT, The Clay Center Florist,
CLAY CENTER, KAS.

Pedigree Cannas.

Our new Cannas, Rosemawr, Golden Pearl, Maiden's Blush, Duke and Duchess of Marlborough, Glorious, Sunset, Augusta, Baltimore, Philadelphia, &c., are the very best. Write for list of new and standard varieties.

THE CONARD & JONES CO.
WEST GROVE, PA.

Seedlings and Cions

APPLE GRAFTS Of Apple, Cherry, Pear and Plum

Low Prices. Send List of Wants to

D. S. LAKE, - Shenandoah, Iowa.

BOUGAINVILLEAS.

Beautiful for "cutting" or pot sale.

Free and durable, and blooming for four to six months of the year. Very easily handled and not subject to any insect pests

Send for "Comments and Facts."

THEO. F. BECKERT, Glenfield, Pa.
9 miles below Pittsburg, Pa.

The Cottage Gardens
QUEENS. L. I.
Specialties in CARNATIONS, CHRYSANTHEMUMS, CANNAS, GERANIUMS, DAHLIAS.
SEND FOR OUR PRICE LIST

KLONDIKE

Cold Fields at your door.—CERANIUMS.

Grown in soil in flats, ready to shift into 3-inch pots, $15.00 per 1000. S. A. Nutt, Beaute Poitevine, Mrs. E. G. Hill, Van Dael and Robt. Brett; the same in 2½-inch pots, $20.00 per 1000.

Standard sorts, such as double Grant, Bruanti, La Fayette, La Favorite, Le Pilot, Gloire de France, Roff Beech, Wonder, Mrs. J. M. Gaar, Jules Ferry, Centaureau and others, $12.00 per 1000. In 2½-inch pots, $18.00 per 1000. Mountain of Snow, in 2½-inch pots, $2.50 per 100 Mme. Salleroi, from flats, $1.25 per 100, $10.00 per 1000

Ageratum, blue and white, from flats, 75c per 100, $6.00 per 1000. Fuchsia, standard sorts, from flats, $1.50 per 100, $12.00 per 1000. Feverfew Little Gem, from flats $1.50 per 100, $10.00 per 1000. Selection of sorts to remain with us. Cash to accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y.

The Wm. H. Moon Co.

MORRISVILLE, Bucks Co., PA.

Offer for Spring 1898 an Immense Stock of

DECIDUOUS TREES,

Evergreens, Flowering Shrubs, and Vines

In great variety, of all sizes.
We note especially. . . .

12,000 Dahlias—whole roots.
10,000 Ampelopsis Veitchii.
10,000 Clematis Paniculata
20,000 Wichuraiana, Crimson Rambler and Prairie Roses.
500 Actinidia Polygama—New climber.
5,000 English Ivy—Long tops.
25,000 Honeysuckles, Matrimony Vines, Wistaria, &c.
100,000 California Privet—1 and 2 years old.

Trade list on application. Correspondence solicited

AZALEA INDICA Fine Well-Budded Plants.

All the best varieties, and will make fine plants for Easter blooming.
10 to 12-inch crowns.....$3.50 per dozen.
13 to 15-inch crowns.....$5.50 per dozen.

CINERARIAS, 5-inch, bud and bloom $1.25 per doz.
DOUBLE GOLDEN DWARF MARGUERITE Cuttings, by mail, $1.50 per 100.

WHITTON & SONS, cor. City & Green Sts., Utica, N. Y.

WHY NOT.....

Advertise and sell some rooted cuttings or other surplus stock.

THIS SIZE "AD." ONLY $1.00.

AMERICAN FLORIST CO., CHICAGO.

CALIFORNIA PRIVET

1 year old, 12 to 20-inch tops, stocky, $8.00 per 1000
1 year old, 12 to 15-inch tops, 6.00 per 1000
1 year old, 8 to 12-inch tops, 4.00 per 1000
Cuttings, 6 inches long, tied 200 in bunch $1.25 per 1000: 25,000 lots, $1.00 per 1000.

River View Nurseries,
O'HAGAN & KING, Little Silver, N. J.

Among Chicago Growers.

Nothing gives the average florist more pleasure than to visit the places of their brethren in the trade where everything is kept in perfect order and the stock grown in the best style. Such a place is Mr. E. Buettner's, of Park Ridge. Mr. Buettner has about ten acres of ground, over 70,000 square feet of which is covered with glass. In the erection of the houses every effort was made to construct them in the best possible manner.

The first range of houses was built about eight years ago, and the others six years later, but all have been kept in such perfect repair it is difficult to distinguish the old from the new. Carnations and roses are chiefly grown, though a much larger variety of flowers may be found here than in any other place in the vicinity of this city. Valley and all bulb stock are forced in large quantities. The valley is coming on in all stages of growth, and some now being cut is very near perfection for so early in the season. Tulips in several varieties, all well grown, are now fit to cut. Narcissus Von Sion are making good progress and will be in full bloom in a few days.

Some of Mr. Buettner's Harrisii lilies are badly diseased this year, and a large proportion of the plants have been thrown away on this account. Those that are left, in different stages of growth are doing nicely—some of them only six inches high, others in full bloom. Mr. Earl, the foreman, always grows American Beauties well, but this season he has surpassed himself, and the product is exceptionally good. Mr. Buettner makes a special effort to bring his roses along in summer and fall, so as to have as many as possible around the holidays, and he has succeeded admirably this season, nearly every house being in full crop at the proper time. In addition to Beauties, the Bride, Bridesmaid, Meteor and Belle Siebrecht are all very good, though not up to the remarkably high standard attained with Beauties. The method of propagating tea roses is a little different here than that ordinarily pursued. Very long cuttings are used, that is, they are four or five inches in length. Mr. Buettner claims that by this method he gets stronger breaks and heavier growth in the earlier stages. His American Beauties, however, are increased in the usual way from two-eye cuttings.

A house of mignonette was well grown, but it would probably have been better to grow only one variety rather than several in mixture. Mr. Buettner plants his carnations closer together on the benches than is usually done, the average distance being about ten inches. Some of the stronger growing kinds appear to resent the crowding, while others, such as McGowan and Scott, seem to luxuriate in their close quarters. No better blooms of these two varieties can be found in the market than are grown here, and with the plants set so close together that they completely cover the ground, I doubt whether a greater number could have been grown on the same amount of bench space. One house was filled with marguerites just commencing to bloom in 7-inch pots. Across the end of several houses, occupying little room that could be otherwise utilized, are boxes of heliotrope covered with bloom. A large variety of flowers are grown outside in summer, including peonies, delphiniums, campanulas, coreopsis, sweet peas, asters, etc., all the ground being devoted to this work. Mr. Buettner disposes of all his floral products to his former partner, Mr. E. Wienhoeber. J. T. A.

The Price of Violets.

Florists representing four leading cities were recently asked the price of violets, and the following characteristic replies where given:

New York.—Not the fashion now.
Boston.—Eternal vigilance.
Philadelphia.—Let us try the 'phone.
Chicago.—How many?

READING, PA.—The business of W. M. Leche, at 532 Penn street, has been sold to H. M. Shoemaker.

NEW
CHRYSANTHEMUMS
FOR 1898

Alice F. Carey, Chempwec, Dolores, Minnewaska, Miss Gladys Vanderbilt, Robert G. Carey, Spotswood, at $3.50 per doz.; $25.00 per 100.

For description see Jan. 8th and 15th issues. All the new ones of this year at advertised prices.

JOHN N. MAY, Summit, New Jersey.

CHRYSANTHEMUM FRANK HARDY. ... THE SENSATION OF THE SEASON

Certificated by the committees of the Chrysanthemum Society of America at New York, Chicago, Boston and Philadelphia.
☞ First prize among whites wherever exhibited ☜ The best mid-season white to date and indispensable to every grower whether for exhibition or the cut flower trade.
Plants ready March 1st and orders filled in rotation.

Price, per plant, 50c.; per dozen, $3; per 100, $20; per 1000, $150.
25 at 100 rate; 250 at 1000 rate.

A. HERRINGTON,
FLORHAM FARMS, - - MADISON, NEW JERSEY

Two Great Sports

CARNATION
VICTOR

Undoubtedly the best Pink Carnation in commerce and certainly the most prolific bloomer, perfectly healthy and of vigorous growth.
Rooted cuttings now ready, $4.00 per 100; $35.00 per 1000. Come and see this carnation growing.

CHRYSANTHEMUM
PENNSYLVANIA

The finest yellow for cut blooms or exhibition purposes ever produced Plants ready March 15, $5.00 per doz.; $35.00 per 100; $250 00 per 1000.

HUGH GRAHAM, 104 South 13th Street, PHILADELPHIA.

PEACOCK'S
Prize Winning Dahlias

All the Newest and Best Varieties

It pays to buy from the leading grower. We grew more than 26 acres of Dahlias the past season—more than any five (5) other growers in the world combined. Write us for wants and prices before purchasing elsewhere.
Our 1898 illustrated descriptive catalogue accurately describing all the leading new and old varieties is now in the printers hands and will be sent about Feb. 1st to all who received our 1897 list without application. Send for it, it will interest you.

W. P. PEACOCK, Atco, N. J.



30,000 DAHLIAS

Before ordering your Dahlia stock be sure and send for my catalogue novelties and standards of the best quality and at the lowest prices. All stock guaranteed true to name.
W. W. WILMORE, Box 382, DENVER, COLO.

Jardinieres, Pots AND Pedestals



ADAPTED TO
Florists' Use.

Artistic Shapes
and Decorations.

Write us for Illustrations and Prices.....

BURLEY & TYRRELL, 42=44 Lake St., CHICAGO.

Allentown, Pa.

Business is rather encouraging. Decorations and funeral work have kept the florists more than ordinarily busy of late. Anything in the cut flower line has sold readily at fair prices. At Christmas while the demand for palms, ferns and decorative plants was far ahead of any previous season, in cut flowers the demand rather exceeded the supply.

Mr. John F. Horn has commenced building a violet house to cover 10x100. The violet is still a somewhat scarce article in this section, though popular and in favor with the public.

Mr. A. B. Ellsworth contemplates building an additional rose house to cover 20x200. It is needless to add that Mr. E. never does anything by halves and that the new rose house will be no exception to his standing rule: "Whatever is worth doing at all is worth doing well." Mr. Ellsworth, by the by, has been tendered the nomination for mayor. His efficient services during the past three years as select councilman, and his business-like methods of conducting municipal affairs, make him especially desirable for the office. HOMO.

Newport, R. I.

The annual meeting of the Newport Horticultural Society was held on the evening of the 12th inst. The following officers were elected for the year: President, James McLeish; vice-presidents, Benjamin F. Tanner, John T. Allan; recording secretary, John J. Butler; financial secretary, Andrew Meikle; treasurer, Richard S. Gardiner; sergeant-at-arms, Thomas Beattie; executive committee, James McLeish, Alex. McLellan, Robert Laurie, Richard Gardiner, James Boyd, Bruce Butterton, John Milne, A. K. McMahon, John J. Butler. Auditing committee, Joseph Gibson, William Burton, Arthur Griffin.

The meeting was one of the largest ever held by the society. All seemed intent on furthering the interests of the organization, and there was considerable talk for the benefit of the entertainment committee, which committee is expected to attain to the degree of A 1. A series of entertainments is proposed. The constitution was amended in several particulars, associate members being provided for. It was also partially decided that the society give an exhibition the coming fall. The organization of a Bowling Club is a probable new feature.

The following members received medals for last fall's exhibits in the hall. The society's medal to Arthur Griffin for begonias; bronze medal to Robert Laurie for Begonia Socotrana; and bronze medal to Alexander McLellan, for chrysanthemums. J. J. BUTLER.

It Grows on Him.

After a man has owed you money as long as two years he begins to believe the account is not right. At the end of three years he thinks you are a thief.—*Atchison Globe.*

SPRING BULBS

LILIUM AURATUM. Per 100 Per 1000
7-9 inch. $3.75 $35.00
9-11 inch. 5.00 45.00

LILIUM RUBRUM (Speciosum)
7-9 inch. 4.75 40.00
9-11 inch. 6.75 60.00

LILIUM ALBUM (Speciosum)
7-9 inch. 6.50 55.00
9-11 inch. 7.50 65.00

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Single, separate colors..... 3.50 30.00
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True Excelsior Pearl.
"Hallock strain" First size .. 1.00 7.50

GLOXINIAS .... Per doz., 85c; per 100, $5.00

CALADIUMS.....
Fancy leaved choice bulbs, per doz., $1.75; per 100, $12.00.

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Sound bulbs with live center shoots, $3.00 to $15.00 per 100, according to size.

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DREER'S RELIABLE FLOWER SEEDS.

A few articles of exceptional quality for present sowing.

	TRADE PKT.	OZ.
Ageratum, Cope's Pet, very dwarf blue	.15	$ .40
Alyssum, Little Gem, lb. $3.00	.10	.30
Aster, Semple's Branching, shell pink	.30	1.50
" " white	.30	1.50
" " lavender	.30	1.50
" " mixed	.30	1.25
Aster, Vick's Branching, white	.30	1.50
Balsam, White Perfection	.25	1.00
Candytuft, Empress	.10	.20
Carnation, Marguerite, mixed	.25	1.00
Centaurea, Yellow Sweet Sultan	.15	.60
Cosmos, Early Dwarf "Dawn"	.50	2.50
Dracæna indivisa	.15	.40
Phlox nana compacta, mixed	.30	1.50
Smilax, lb., $4.00	.15	.40
Stocks, Snowflake	.50	
" Cut and Come Again	.50	
Torenia Fournieri	.30	
Verbena, Mammoth mixed	.40	1.75

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714 Chestnut St., - PHILADELPHIA.

Vaughan's Pansy Seed...

This is the time to make another sowing of Pansy Seed if your plants have rotted off.

	oz.	⅛ oz.	trade pkt.
VAUGHAN'S "INTERNATIONAL"	$10.00.	$1.50.	50c.
VAUGHAN'S "GIANT MIXED"	oz. $5.00.	¼ oz. $1.35.	trade pkt. 50c.

These are strains with nine years' record and with a pedigree. We have scores of testimonials. Ask the best pansy grower of your acquaintance for his opinion of our strains of the above mixtures.

For other sorts of Pansies see our Book for Florists.

FORGET-ME-NOT, Vaughan's Early and Everbloomer, plant flowers when 8 weeks old. Trade pkt., 20 cts.

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TUBEROUS BEGONIAS

$4.00 per 100. These are large, extra fine Bulbs, English strain.

LILIUM SPECIOSUM RUBRUM, $3.50 per 100
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Fine Nursery Stock such as Rhododendrons, Azaleas, Clematis, H. P. and Tree Roses.

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Branch of The Horticultural Co., Boskoop, Holland.

EXTRA SELECTED FLOWER SEED.....

SWEET PEAS. Emily Henderson, lb. 35c
—Ex. Early Blanche Ferry, lb 60c
—Blanche Ferry, lb 30c
—Cupid, Dwarf white, oz., 10c; lb $1 00
—Cupid, Dwarf pink (new), pkt., 10c; doz 1 00
—Butterfly, lb 30c
—Katherine Tracy, lb 30c

ASTERS. Trade pkt. oz.
—Queen of the Market, separate colors, white, rose, crimson, light blue, dark blue 15c 75c
—Queen Market, mixed 15c 50c
—Late Flowering, Branching, white and shell pink, separate.. 25c $1 50
Pyrethrum Golden Feather..... 15c 40c
Centaurea Gymnocarpa 15c 50c

Wm. ELLIOTT & SONS, NEW YORK.

The Treatment of Rose Seeds.

ED. AM. FLORIST:—What is the best way to treat rose seeds? Must they be stratified, or can they be sown in flats and treated as ordinary seed flats?

SUBSCRIBER.

The inquiry of your correspondent refers to a matter which has been agitating my own mind the past few weeks. To be perfectly candid, I do not know which is the better plan to treat rose seeds. When in Lyons, France, some years since, Messrs. Guillot, Pernet and other French rosarians planted their rose seeds in the open ground in prepared borders. Mr. Guillot's border was about three feet wide and raised about four inches above the path. At Waltham, England, Messrs. W. Paul & Sons used practically the same plan, Mr. Paul stating that the seeds often took two seasons for their germination. On the other hand the late Mr. H. Bennett germinated his rose seeds in pans under glass, and at the time of my visit he had not less than 8,000 young seedling roses which had been potted eight or ten weeks previous. Mr. Bennett laid much stress on the necessity of having the hips thoroughly ripened before gathering in the fall, adding that when this was done there was little trouble in getting rose seeds to sprout. A few weeks since I sowed some twelve hundred rose seeds in two flats using a loamy soil with a good mixture of sand in it, covering the seeds with a light peat. They were placed in a very cool house and the writer trusts that as the season advances nature may help along the work which has occupied no little time and care in crossing, etc.

Mr. Thorpe in talking on this same subject a few weeks since, gave it as his opinion that it was a mistake to freeze tea rose seeds, expecting help from that process On the contrary he cited the native home of Rosa Indica as indicating just the opposite course. Some resort to filing the hard shell of the seed, thinking thereby to hasten germination, but my experiments in this line have not proven satisfactory. Some start their rose seeds in a warm hot-bed (manure) in the spring with fair results, My judgment is that for all tender roses the seed should be sown in November and December and given a suitable length of time in which to come up; if the seeds are well ripened and mature, many of them will begin to peep through the soil in April and May. The soil should be kept uniformly moist.

E. G. HILL.

Binghampton, N. Y.

Mrs. M. L. Barnes and Mr. Wm. M. Moore have consolidated their interests, the name of the firm being Barnes & Moore. In addition to their greenhouse establishment on Oak street, they have opened a flower store at 77 Court street, in the very heart of the business center.

Mr. Moore reports trade as very satisfactory, the demand for palms, ferns and plants of all kinds being quite brisk and on the increase.

Since my last visit to this city some four years ago, Mrs. Barnes has made some substantial additions to and general improvements about her greenhouses, the plant covering over 8,000 feet of space.

Mr. M. N. Mills is reported to be on the sick list.

At Jas. B. Tully's, things show up in fine shape. His plants, as usual, show the effects of good treatment. HOMO.

Roses Roses Roses

		Per 100	1000
BRIDE	2½-inch Pots	$2.50	$22.50
BRIDESMAID	" "	2.50	22.50
METEOR	" "	3.00	25.00
PRES. CARNOT	" "	4.00	35.00
PERLE	" "	3.00	30.00
SOUPERT	" "	2.50	22.50
MOSELLA	" "	3.00	25.00
25 Other Choice Varieties		3.00	25.00

E. G. HILL & CO., = Richmond, Ind.

ROSES....
ROOTED CUTTINGS.
American Beauties Per 100, $ 2.50 Per 1000, 22 00
BRIDESMAID
BRIDES
KAISERIN
PERLES
$1.50
Per 100
Per 1000, $12 50
All wood specially selected and thoroughly rooted.
J. A. Budlong, Station X... Chicago, Ill.
Cash with order or C. O. D.

NEW FORCING ROSE
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Hybrid tea, rich soft pink, buds very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy, vigorous grower, a money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and has elicited the most favorable comment from critical judges. Price strong plants from 2½-inch pots, $25.00 per 100 in lots less than 1000; $225.00 per 1000. Orders booked now, delivery March 15, 1898. Correspondence solicited. Address
H. WEBER & SONS, Oakland, Md.

300,000 YOUNG ROSES 300.000
Ramblers, Climb. Malmaison, Climb. White Pet, Climb. Wootton, Pres. Carnot and 100 other leaders in Teas, H. Teas and Climbers.
Send for prices.
The National Plant Company, Dayton, Ohio.

ROOTED CUTTINGS
Am. Beauties, Brides, Maids, Perles, Belle Siebrecht, Meteors. Write for prices to
GEO. A. KUHL, - PEKIN, ILL.

20,000 ROOTED ROSE CUTTINGS
Ready now. Perle, La France, Meteor, Hermosa, Bride, Bridesmaid, Niphetos, $1.25 per 100.
CARNATIONS—Daybreak, Scott, McGowan, $1.00 per 100. Cash with order. By mail add 10c per 100.
J. J. LAMPERT, King Street, XENIA, O.

New American Rose
MRS. ROBERT GARRETT
As one of the syndicate holding stock in this rose we offer first class plants, from 2½-inch pots, to be delivered on and after March 15, 1898, at the agreed price of $3.50 per doz., $25.00 per 100, $225.00 per 1000.
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Something About Potash in the Soil.

Prof. Heiges at the Farmers' Institute meeting held at Horticultural Hall week before last said he knew of no practical means to estimate the value of potash in the soil from general appearances, but there are a few general principles which may be observed and should be a guide.

First, soils that have been covered by woods will always contain a sufficient amount of soluble potash. The decay going on in the forests of deciduous and of everygreen trees produces potash, or rather leaves potash, but more especially the slow decay of fallen branches. Micaceous soils, or soils containing silver and gold, are rich in potash, though it may not always be available. Limestone soils are also rich in potash. A plant will sometime assimilate more potash than it actually needs, and this is where the burning of a given plant and analyzing the ashes thereof will be misleading. It is certain that farmers are paying too high a price for the potash contained in wood ashes; that it would be cheaper to purchase it in the form of muriate of potash. L.

Roman Cement.

In answer to the inquiry of "L.," regarding Roman cement, it is an English importation, and I doubt if it can be procured outside of a few of the larger eastern cities, as it is an expensive cement, and one very little used in this country, excepting in costly sub-marine masonry. Any of the better grades of domestic hydraulic cements may be used with good results, and even a good quality of Portland cement will answer, but the hardening process is a little slower than with the Roman. HENRY W. GIBBONS.

ELKHART, IND.—The florist firm of Shanks Bros. has been dissolved, W. M. Shanks retiring. The firm name is now C. L. Shanks & Co.

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FLOWER SEEDS FOR FLORISTS.
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MICHELL'S SPECIAL OFFER

NEW CROP FLOWER SEEDS

FOR PRESENT SOWING.

	Per trade pkt.	Per oz.
ALYSSUM, Little Gem	$ .15	.30
ASPARAGUS Plumosus Nanus, new seed just received, $1.25 per 100 seeds; $11.00 per 1000 seeds.		
ASTER, Truffaut's Prize, white, blue, pink, scarlet and mixed, each	.30	2.00
" Queen of the Market, the earliest of all, white, blue, pink, scarlet and mixed, each	.25	1.50
" Semple's Branching (true) white, pink, red, blue and mixed, each	.30	1.50
CANNA, Mme. Crozy, A. Bouvier, Florence Vaughan, each		.15
CARNATION Marguerite, mixed	.25	1.00
CENTAUREA Gymnocarpa	.20	.50
COBÆA Scandens	.15	.40
MOON FLOWER	.15	.50
LOBELIA C. Palace, Compact	.30	2.00
" " Trailing	.25	.75
MIGNONETTE Machet	.15	.50
NASTURTIUM Dwarf, mixed		.15
" Climbing, mixed		.15
PETUNIA, Mottled and Striped	.50	
" Dwarf, compact	.30	
PHLOX, choicest dwarf, mixed	.50	2.00
SALVIA Clara Bedman (dwarf)	.30	2.50
" Splendens (scarlet sage)	.25	1.25
SMILAX, new crop, $4.00 per lb.	.15	.40
SWEET PEAS, Pink Cupid (new)	.20	
THUNBERGIA, orange, white, mixed, each	.10	.30
Torenia Fournieri Grandiflora	.30	
Verbena, very choicest, mixed	.50	1.75

The above list comprises only the most popular florists seeds for present sowing. For a complete trade list of seeds and supplies please write us at once for a copy.



OTHER SPECIALTIES

LEMON OIL INSECTICIDE This is at the head of the list for a reliable insect destroyer; it is the best and cheapest in the market used now by the leading growers for destroying the Mealy Bug, Scale, Thrip and Red Spider. We have received a large number of testimonials. 40c per pint; 75c per quart; $1.25 for 2 quarts; $2.00 per gallon; 5 gallon keg for $9.00.

NIKOTEEN Does not injure the most delicate plants. Extensively used for fumigating and syringing. 200 lbs. of tobacco in one pint of Nikoteen.

This is one of many testimonials:

DEC. 29th, 1897.

"Yours of the 28th inst., asking my opinion of Nikoteen is at hand. I have been using Nikoteen for about one year and find it the cleanest and cheapest form of using tobacco for Green Fly.

It requires less labor to use it than it does to put the stems in the walks and to take them out again, and is more effective and costs less money. I only use stems to make tobacco water with. There is another great advantage it has. It never cripples the buds, nor do they ever smell of it, but it will kill the fly if properly applied. I am about out of it; please send me another case of ten bottles."

Very truly yours, JOSEPH HEACOCK, Jenkinton, Pa.

CANE STAKES This is the cheapest and most durable plant stake in the market, especially for tying of Lilies. 8 to 10 feet long. 500 for $2.50; $5.00 per 1000; 5000 for $20.00.

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The Fuchsia Contest.

P. C., N. Y., says, "I have read with much interest in the issue of the FLORIST the article on fuchsias and the offer made for the best plant photographed. As I would like to enter as a competitor, I must ask a few questions:"

Question 1. "Should the plant be grown in a certain sized pot, or may it be grown in any size?" There is no restriction on the size of the pot to be used. This will enter partly into the contest. The committee on award will, no doubt, judge from the photograph whether a suitable sized pot has been used by its appearance in the picture or otherwise.

Question 2. "Must the photograph be taken at a given date or at a time when the plant is considered at its best?" As stated to another inquirer, the photo should be taken when the plant is thought to be at its best, and this will also be a matter of judgment for the cultivator to exercise.

Question 3. "If a plant is grown big in a small pot, would it receive more consideration than one just as large or bigger in a larger sized pot?" Because a plant is grown big in a small pot may or may not have a great deal of weight with the committee, because this contest was originated primarily for the purpose of practically demonstrating the ease with which beautiful plants of the fuchsia may be grown for spring or early summer sales. Thus a large plant in a small pot might look out of proportion and spoil what otherwise might make a good picture, and it might or it might not be considered a practical plant to offer for sale.

Question 4. "What sized pot would you suggest to grow the plants in?" We prefer not to give advice as to size of pot to use, leaving that from this time on entirely to the judgment of the grower.

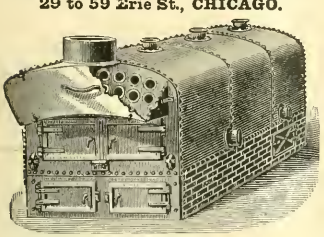
Question 5. "Is it necessary to have the name of the variety with the photo?" The name of the variety must in all cases accompany the photo, as this will be a part of the educational features intended.

Question 6. "Are the first flowers produced from the tips of the shoots best, or do they improve later on?" Some varieties produce flowers in abundance, but small in size, and in others the individual flowers are larger, though few in number. In the climate of New York the best flowers are those generally which open first.

The other questions asked are covered in replies to other querists.

Mugwump, Joilet, Ill., after declaring that he has a little inclination to enter the contest, asks among other things. "What variety is best to grow?" We prefer not to give advice in this direction, because what might be best for Illinois might not be the best for New York and vice versa. L. O. N.

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FIFTEEN years' experience in the culture of tropical fruits under glass. Opens a new industry to the horticulturist, profits greater than anything which can be grown under glass, and an unending source of pleasure to the amateur. This book gives plain practical instructions for the culture of all tropical fruits. Every florist needs it—you can get pointers from it. The Tropical Orchard House is a coming popular feature of gardening.

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For Decorating and all Florists' Designs.
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This is one of the greatest preparations for the use of Florists and Plant Growers ever compounded. It gives to the foliage of plants treated the bright, fresh color of healthy, growing vegetation. It destroys all insect life infecting the plant and eradicates scale.

Besides improving the color of the plant, it effects a general betterment of its condition, aiding nature in disseminating and retaining the sap and life of the plant. The Tonic makes the foliage of the plant soft and pliable, and a beautiful bright green.

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Fuchsia Contest.

Replying to inquiries respecting the above, the time limit in said contest should not be longer than July 1, when the photographs should be in the hands of Prof. Cowell at the AMERICAN FLORIST office.

The idea the writer had in mind was to encourage the better growing of plants for spring sales. My first awakening to the realization of the necessity of growing at least some specimen plants for spring sales was a number of years ago when I first entered a commercial establishment. In looking out for the future, I selected a few plants of each variety of "only those old geraniums" and gave them extra care as to repotting, and more space between each plant, and labeled them "stock plants;" and notwithstanding the fact that an extra price was asked by my employer they gradually but surely were being sold, and despite my indignation at the loss of my pets, which was the cause of some good natured merriment "in the office," it was a wholesome lesson to me, and one which I have never forgotten.

A variety of fuchsia which is not at its best before June 15 is not of much value for retail trade, because the bulk of the plant trade is over by that time. The plant should be photographed when at its best—when there are some flowers open at the ends of each shoot, and the name of the variety should accompany the picture. By way of advice, if the prospective prize winners in this contest do not possess a camera of their own, don't attempt to take the plant to the photographer, but bring the photographer to the plant, and the chances for having a good plant to be photographed are much better than if the plant was taken to the photographer.

Am pleased to note that so much interest is being manifested in this matter.

L. O. N.

MIDDLETOWN, CONN.—Henry Fountaine has a case against the gas company for plants and flowers damaged by gas escaping from a leaky pipe; if not settled otherwise, he proposes to bring a suit for damages.

Neponset Flower Pots

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Terms—Net cash with order. If ordered shipped by FREIGHT, ADD 50 CENTS CARTAGE.

Size	Packed in Crates of	Gross Weight per 1000 pots	Per 100	Per 1000
2¼-inch	1000	about 20 lbs.	$0.25	$2 20
2½ "	1000	" 25 "	.30	2.50
3 "	1000	" 34 "	.45	3.90
3½ "	1000	" 45 "	.60	5.15
4 "	500	" 76 "	.80	6.90
5 "	500	" 100 "	1.20	10 35
6 "	500	" 150 "	1.65	14.55

Standard Pot Measure.

Less quantities than full crates at 100 rates.

Full sample dozens of a size mailed on receipt of 10c 12c 15c 22c 90c 45c 60c

for 2¼-in. 2½-in. 3-in. 3½-in. 4-in. 5-in. 6-in. pots.

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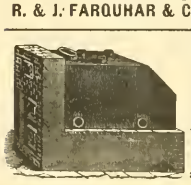
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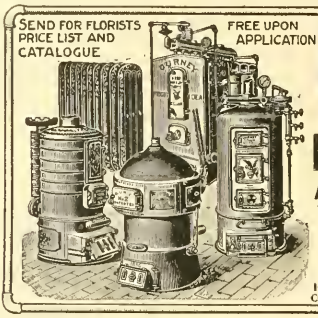


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STANDARD FLOWER POTS.

Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.

A FULL LINE OF BULB PANS.

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ED. AM. FLORIST.—You will doubtless confer a favor on all of your advertisers if you will write and publish an article on the importance of plain writing and full postoffice address.

We recently received a postal card that was anything but plain. We could only guess at the signature. After a good deal of study we concluded that the heading was Warsaw. The state not being written we turned the card over to find it in the post mark, but the post mark reads "Pittsburg and Chicago P. O." indicating that the card was mailed on train and in one of four states, Illinois, Indiana, Ohio or Pennsylvania. We turned to one state after another in a national directory and found that each one of these states has a Warsaw. We sent a postal card to each one of them and if we have properly guessed the name, we will probably get another communication giving the full address that we requested.

LOCKLAND LUMBER CO.

Another Problem for the S. A. F.

We are told by Ex-Member of the Executive Committee that they are in constant need of suggestions. Presuming that they will not object to an open letter I suggest that steps be taken at once to organize an S. A. F. court of equity, having three members elected—one retiring each year—whose duty it shall be to decide cases of dispute or differences, where adjustment by a third party is necessary, arranging that members agree to submit such troubles to this court and abide thereby; this will save law-suits and much expense. The boards of trade in all large cities do this and I do not see why a national society should not do so.

C. B. W.

LANCASTER, PA.—At the recent meeting of the State Horticultural Society, Morris Brinton, Jr., read a good paper on the newer carnations and roses. Officers for 1898 were elected and the next meeting will be held at Harrisburg.

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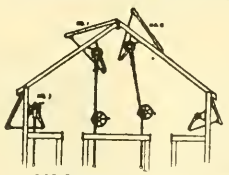
Others have attempted to follow where we lead, others are trying to reap what we sowed, but we have the experience and are recognized as experts in greenhouse construction.

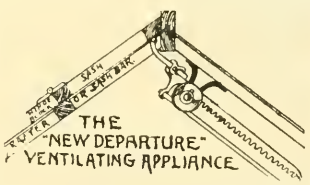
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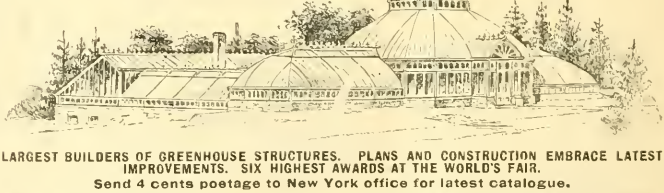
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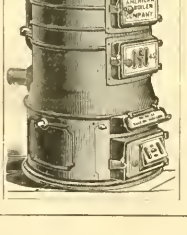


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